

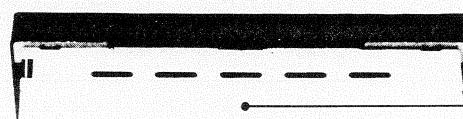
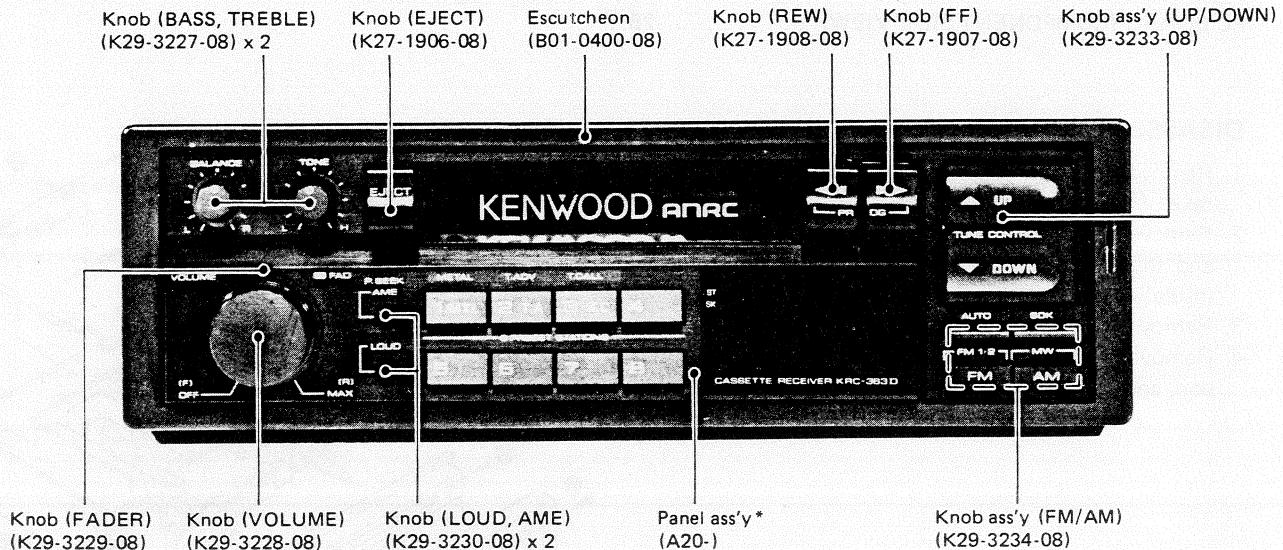
CASSETTE RECEIVER

# KRC-363D/L

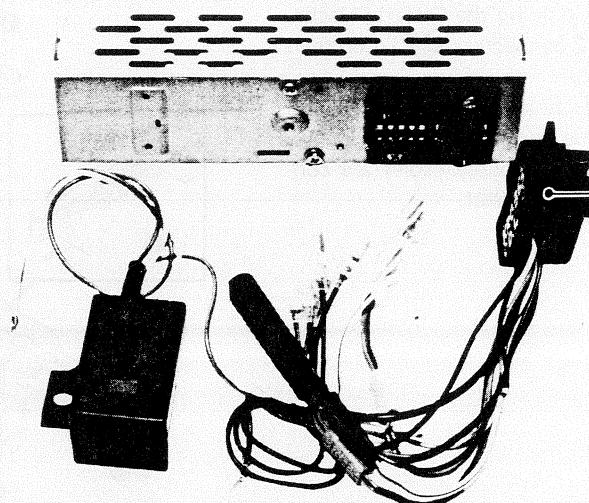
## SERVICE MANUAL

# KENWOOD

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B51-3537-00 (O) 1432



Front and top plate  
(A52-0121-08)



Output cord ass'y  
(E30-2403-05)

Photo is KRD-363D.

\* Refer to parts list on page 43.

# KRC-363D/L

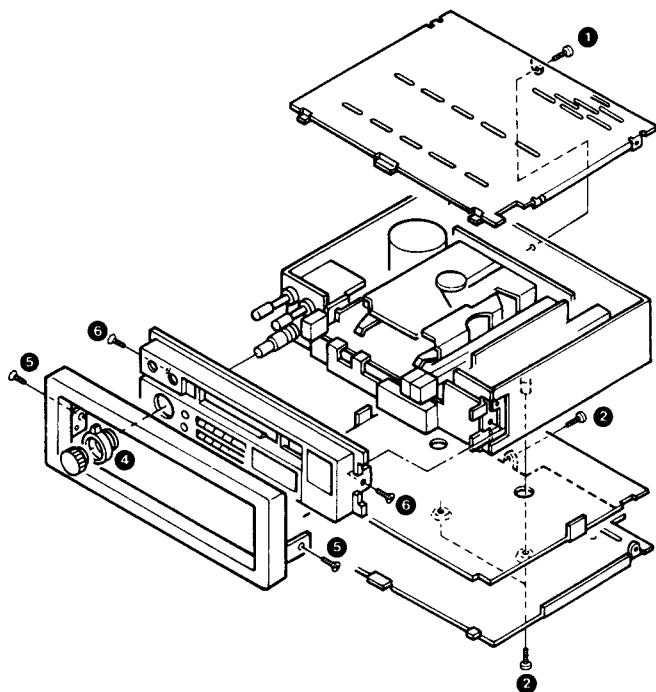
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### CONTENTS

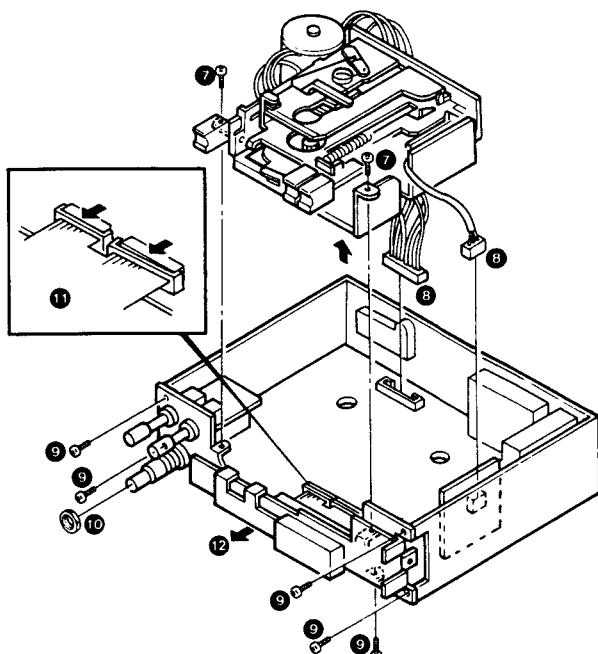
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### DISASSEMBLY FOR REPAIR

1. Remove the screw (1) holding the top cover, and then take off the top cover.
2. Remove the 3 screws (2) holding the bottom cover, and then take off the bottom cover together with the insulating paper sheet.
3. Remove the Main Volume control knob (4).
4. Remove the 2 screws (5) holding the panel escutcheon, and then take off the escutcheon.



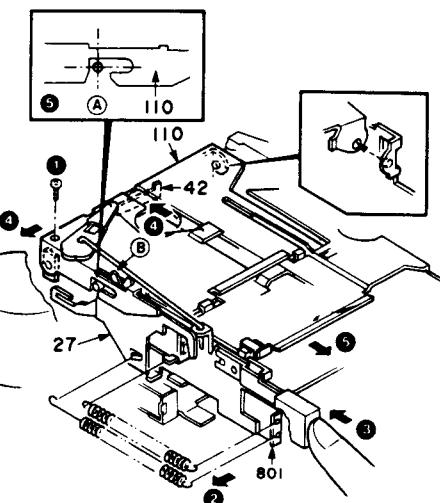
5. Remove the 2 screws (6) holding the front panel, and then take off the front panel.
6. Remove the 2 screws (7) holding the Cassette Mechanism Ass'y, disconnect the 2 connectors (8), and then take off the Mechanism Ass'y.
7. Remove the 5 screws (9) holding the sub-panel, remove the nut of the volume control (10), disconnect the 2 connectors (11) where flexible cables are connected, and then take off the sub-panel.



# DISASSEMBLY FOR REPAIR

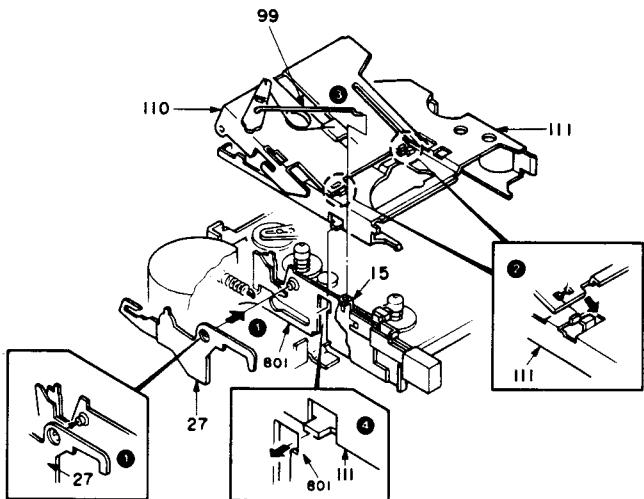
## DISASSEMBLY OF HOLDER (ACTION PLATE)

1. Remove the screw (1) from the holder (action plate [110]).
2. Remove the two springs (2) from mechanism chassis (801).
3. Hold down the EJECT button (3) with one hand.
4. Press the lever (42) with your other hand, move the holder (action plate [110]) toward the motor, and remove the lever (42) from projection (B) of the mechanism chassis (801) (4).
5. Push the holder (action plate [110]) forward. When the projection of the arm (action [27]) reaches point (A), release the EJECT button (5).

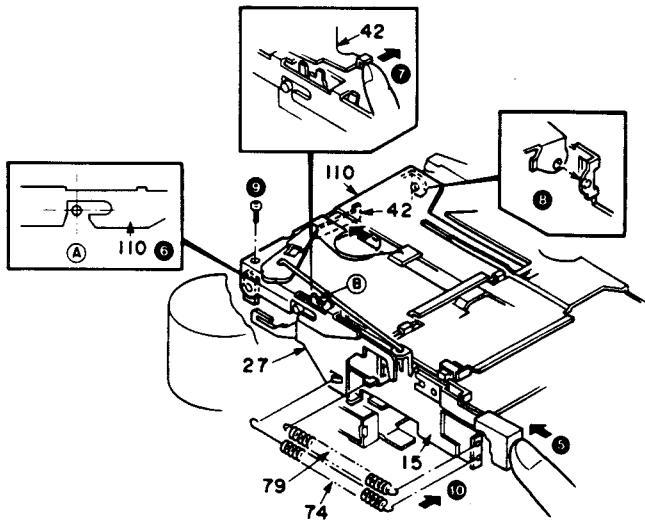


## REASSEMBLY OF HOLDER (ACTION PLATE)

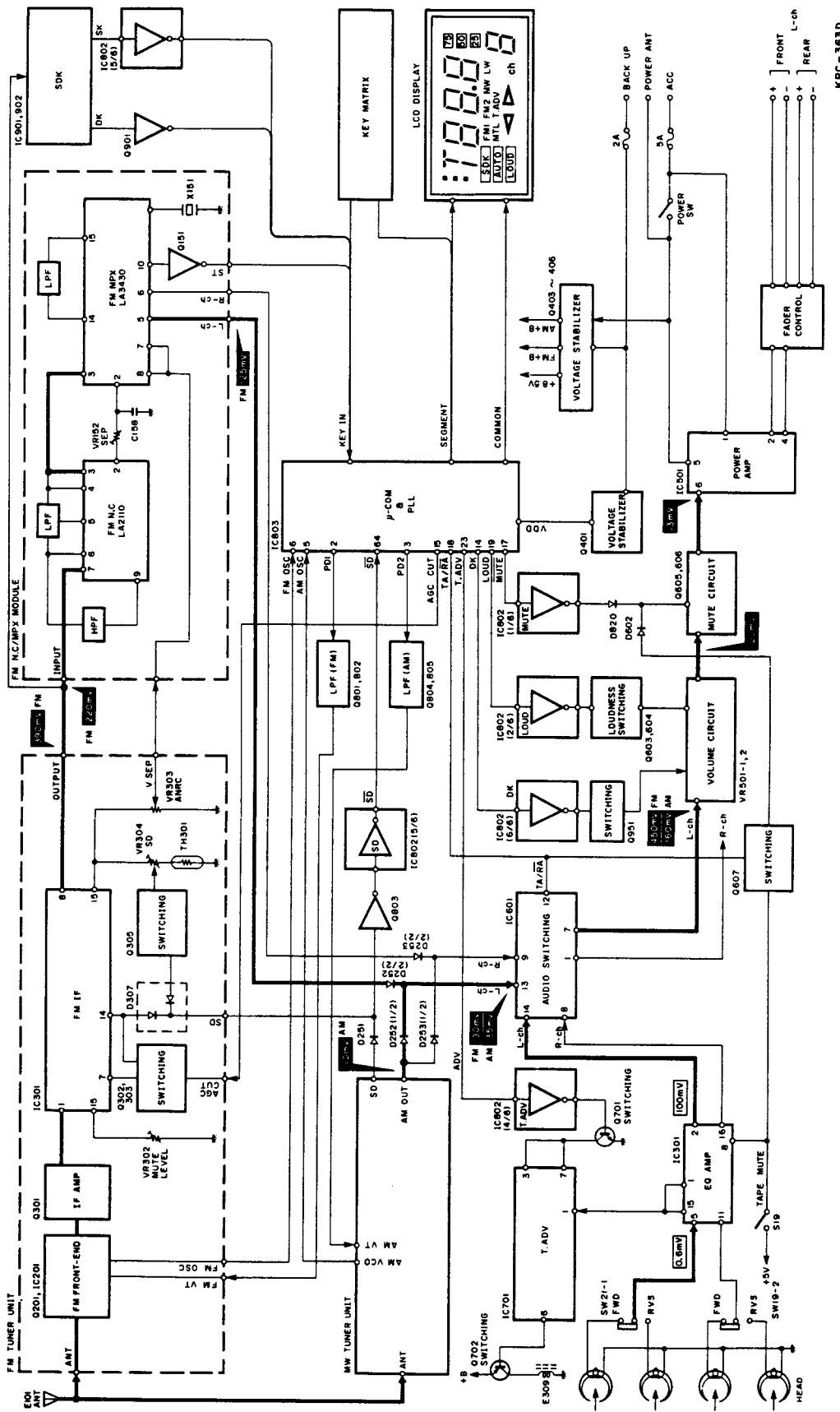
1. Align the projection of the mechanism chassis (801) with the hole in the arm (action [27]) (1).
2. Align the two tips (2) of the holder (action plate [110]) with the claws of the holder (cassette case [111]).
3. Insert the formed wire (99) (3) into the hole of the lever ass'y (EJECT) (15).
4. Align the left claw of the holder (cassette case [111]) with the mechanism chassis (4).



5. While holding the arm (action [27]) with one hand, push the EJECT button (5).
6. Insert the projection of the arm (action [27]) into point (A) in the side of the holder (action plate [110]) (6).
7. Push the lever (42) outward (7) take out the projection of the mechanism chassis (801) from the hole in the holder (action plate [110]). Release the EJECT button.
8. Align the projection (8) of the mechanism chassis (801) with the hole of holder (action plate [110]) with the screw.
9. Secure the holder (action plate [110]) with the screw (9).
10. Mount the tention springs (79) and (74) on the mechanism chassis (801) (10).



## BLOCK LEVEL DIAGRAM



# CIRCUIT DESCRIPTION

## Description of Components

### MAIN UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
IC501	TA7280P	Audio Power Amp.	2-ch, 5W x 2 / 4 ohms.
IC601	M51551P	Radio/Tape /AF Select	Dual 2-mode electronic switch.
IC801	BU4081BP	CMOS AND, 4 Lines	Used for FM ST/TAPE/FF/DIR matrix input.
IC802	BU4069	CMOS Inverter, 6 Lines	MUTE, LOUD, ADV and SD signal inversion from high to low.
IC803	$\mu$ PD1719-538	Microprocessor	System controller, PLL and LED driver.
Q251	DTC114Y	Switching (for MW STOP SENS set up)	VC-E = 3.5V during an MW seek operation, VC-E = 0V in STOP mode.
Q252	2SC2021	Switching (MW/LW select)	Turns ON in MW mode : VB-E = 0.6V, VC-E = 2.2V VC-E = 0V in LW mode. KRC-363L only.
Q401	2SC2021	Stabilizer (for the microprocessor)	Power supply for the microprocessor and CMOS ICs, VE = 5.6V.
Q402	2SD1225M	Switching (for the indicator lamp)	Turns ON when power is switched ON, VB-E = 0.6V (The indicator lamp lights.).
Q403	2SD1469	Switching (AM power supply)	Turns OFF in MW/LW mode, VE = 8.3V. Turns OFF in FM mode, VE = 0V.
Q404	2SA874	Switching (FM power supply)	Turns ON in FM mode, VE = 8.3V. Turns OFF in MW/LW mode.
Q405	2SD1225M	Stabilizer (Radio power supply)	Power supply for the radio, VE = 8.8V.
Q406	2SC2021	Switching (AM/FM power supply)	Turns ON in FM mode, VB-E = 0.6V, VC-E = 0V.
Q603	DTC143TF	Switching (loudness)	Turns OFF when the L-ch LOUDNESS is ON, VB-E = 0V.
Q604	DTC143TF	Switching (loudness)	Turns OFF when the R-ch LOUDNESS is ON, VB-E = 0V.
Q607	2SA937	Switching (Mute)	Cuts the mute signal in T:C mode.
Q801	2SC2021	FM LPF (low pass filter)	FM tuning voltage set, VE = 1.0 ~ 7.5V (fmin ~ fmax).
Q802	2SK246Y	FM LPF (low pass filter)	FM tuning voltage set.
Q803	2SC2021	Switching (Stop signal inverter)	For STOP signal inversion from high to low.
Q804	2SC2021	MW/LW LPF (low pass filter)	MW/LW tuning voltage set, VE = 1.0 ~ 8.0V (fmin ~ fmax).
Q805	2SK246Y	MW/LW LPF (low pass filter)	MW/LW tuning voltage set.
Q806	2SA937	Switching (DK interruption)	Turns OFF on DK interruption, microprocessor. KRC-363D only.
Q807	2SA937	Switching (SK)	Turns OFF during SK reception. KRC-363D only.
Q808	DTA114YF	Switching (microprocessor CE pin)	VC = 5V when power is turned ON, 0V when power is OFF.
Q809	2SC2021	Switching (microprocessor CE pin)	
Q951	2SD1469	Switching (DK min. output)	Switching for DK VR pull-up. Turns OFF when the DK signal is present. Turns ON when the DK signal is not present. KRC-363D only.

## CIRCUIT DESCRIPTION

### NOISECANCELLER-MPX UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
E3	STK3401	FM Noise Canceller and MPX	Noise canceller, FM multiplexer, anti-multipath circuit.
IC701	AN6262N	T. ADV (tape advance)	
IC901	TDA1579	SDK processing	Traffic information processing (SK and DK output).
IC902	AN6556	Op amp.	For the BK signal filter.
Q151	DTC144EF	Switching (FM ST indicator)	Turns OFF when a stereo broadcast is received. For ST indicator signal inversion from high to low.
Q152	DTA114YF	Switching (FM MONO)	VB = 5V when the MONO switch is ON.
Q701	DTC114YF	Switching (T. ADV)	Turns OFF when the TA (tape) switch is ON, VB = 0V.
Q702	2SB822	Switching (Solenoid drive)	For the T. ADV solenoid drive.
Q901	DTC114YF	Switching	For the SK output DC inversion.

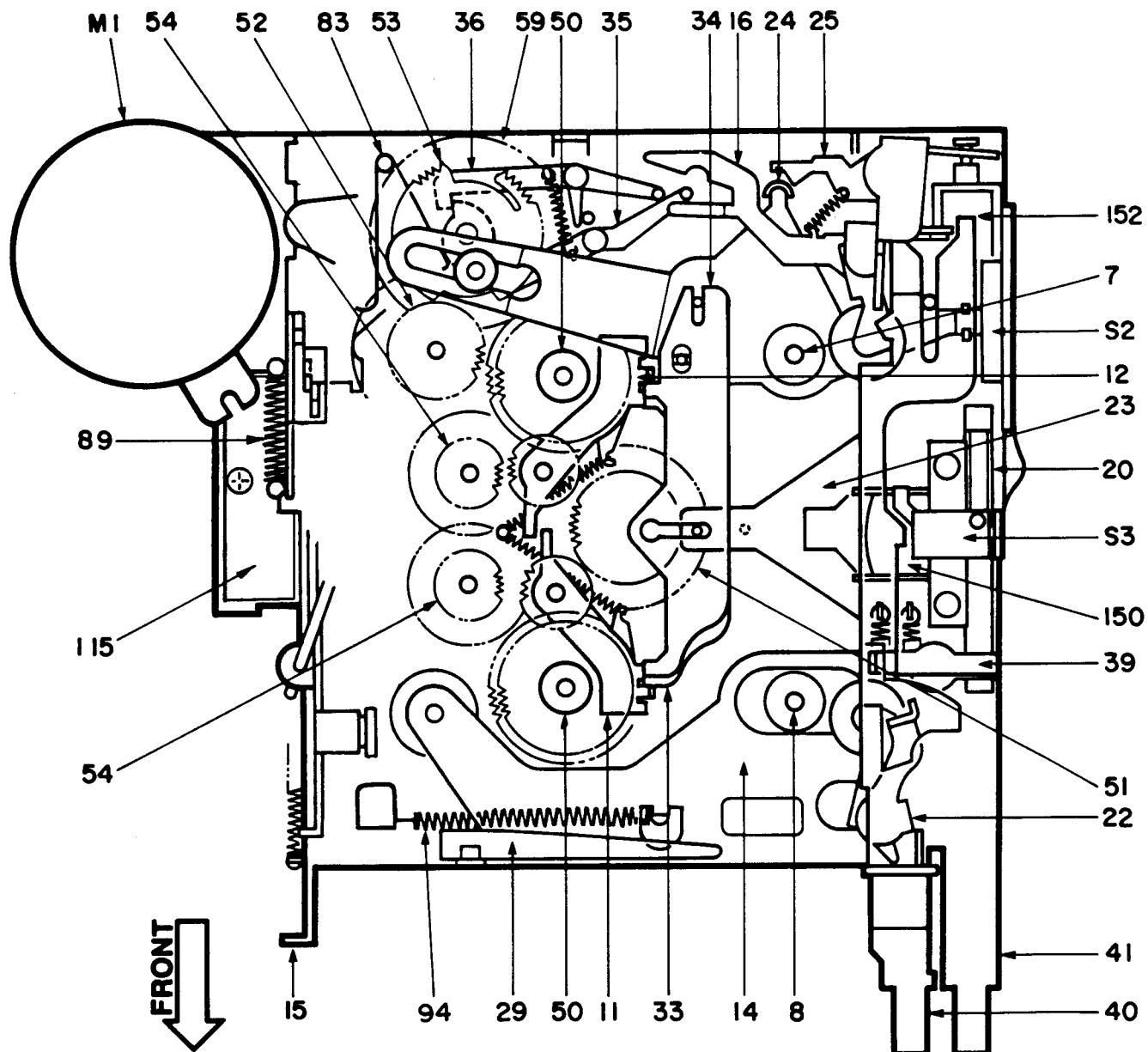
### VOLUME UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
Q605	2SD1469	Switching (Mute)	For audio muting in a preset or seek operation.
Q606	2SD1469	Switching (Mute)	For audio muting in a preset or seek operation.

### PRE AMP UNIT

Component		Use/Function	Operation/Condition/Compatibility
Ref. No.	Parts No.		
IC301	BA3406AL	Head amp. 2-channel IC	Head amp. with equalizer and metal tape select circuit.

## MECHANISM OPERATION DESCRIPTION



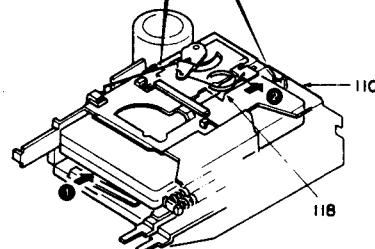
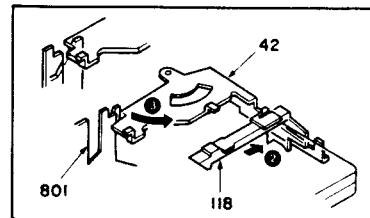
Parts Description (Front perspective view)

# KRC-363D/L

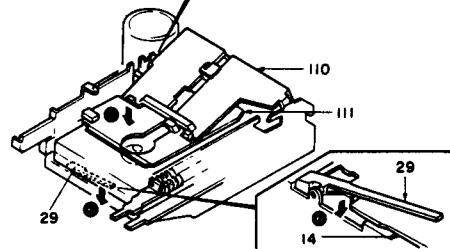
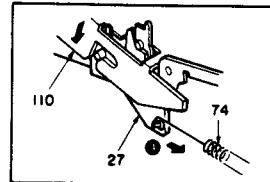
## MECHANISM OPERATION DESCRIPTION

### LOADING

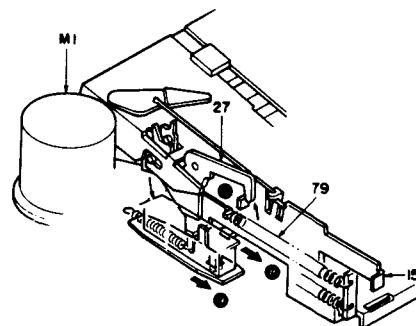
1. Insert a cassette tape (①).
2. The cassette guide (118) pushes te lever (reverse [42]) (②).
3. The lever (reverse [42]) turns in the direction of the arrow and releases the lock of the holder (action plate [110]) (③).



4. Through the lock release of the lever (reverse [42]), the arm (action [27]) is pulled by the tension spring (74), which turns the holder (action plate [110]). The holder (action plate) descends (④).
5. Through the descent of the holder (action plate [110]), the holder (cassette case [111]) also descends (⑤).
6. As the holder (cassette case [111]) descends, the cassette tape pushes the lever (lock plate [29]). The lever (lock plate [29]) then releases the lock of the lever assembly (head plate [14]) (⑥).

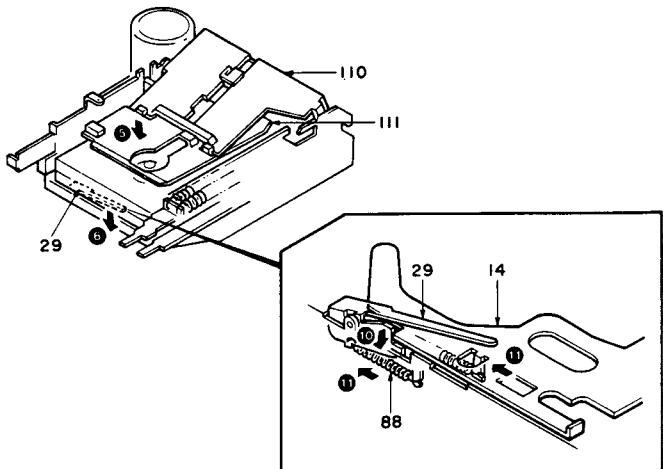


7. As the arm (action [27]) turns, the lock of the lever assembly (eject [15]) is released (⑦).
8. The lever assembly (eject [15]) is pulled by the tension spring (79) and moves forward (⑧).
9. Through the movement of the lever assembly (eject [15]), the lever (49) also moves forward and turns on the slide switch S1. As the slide switch S1 is turned on, electricity is supplied to the motor assembly (M1) (⑨).

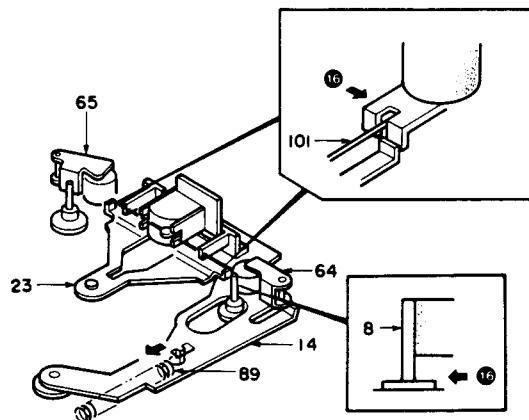


## MECHANISM OPERATION DESCRIPTION

10. As the holder (cassette case [110]) descends, the cassette tape pushes the lever (lock plate [29]). The lever (lock plate [29]) then releases the lock of the lever assembly (head plate [14]) (①).
11. The lever assembly (head plate [14]) is pulled by the tension spring (89) and moves forward (②).

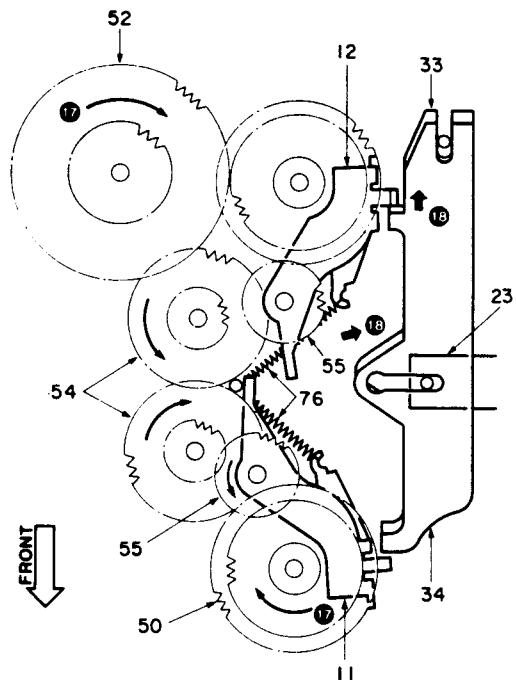


12. Through the forward movement of the lever assembly (head plate [14]), pinch roller assemblies (R & F [64, 65]) make close contact with the shaft of the flywheel assembly (R[8]) through the formed wire (101) (③).



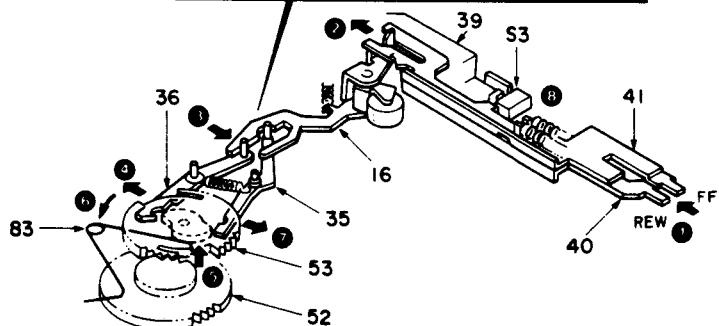
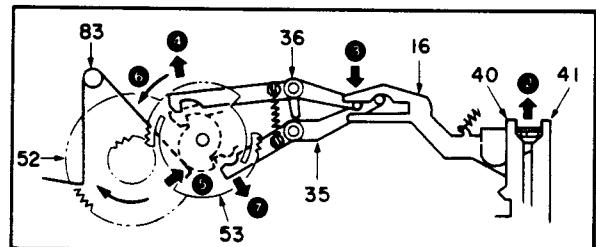
## MECHANISM OPERATION DESCRIPTION

13. The rotation is transmitted from each gear (52 → 54 → 55) to the gear assembly (reel base [50]) of the take-up side (❶).
14. The gear assembly (reel base [50]) of the payout side is pushed toward the slider assembly (12) by the lever (33) and the gear (take-up [55]) is disengaged in the direction of the arrow (❷).



## PROGRAM

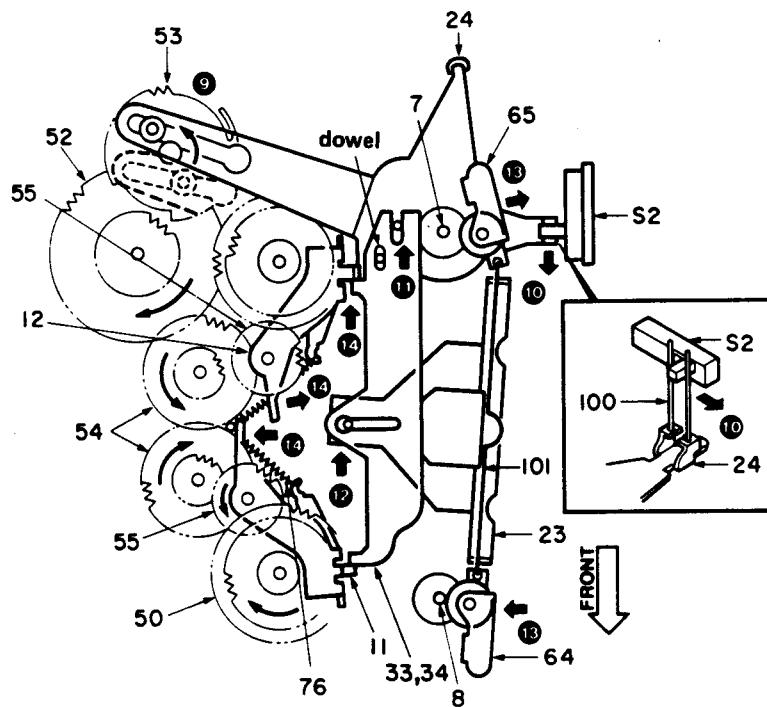
1. Push both levers (FR [40] and FR [41]) by hand at the same time (❶).
2. The calking of the lever assembly (reverse [16]) is sandwiched between the lever (FR [40]) and the lever (FR [41]), and pushes the lever assembly (reverse [16]) (❷).
3. The lever assembly (reverse [16]) moves the arm (36) (❸).
4. The arm (36) releases the lock of the gear assembly (switch [53]) (❹).
5. The torsion coil spring (83) pushes the cam of the gear assembly (switch [53]) in the direction of the arrow (❺).
6. The gear assembly (switch [53]) is pushed by the torsion coil spring (83), turns in the direction of the arrow, engages in the gear assembly (take-up [52]), and makes a half-turn (❻).
7. The arm (35) functions as a stop temporarily at this time; the stop is released when the reverse lever returns (❼).
8. The muting during the program is done by the leaf switch S3 mounted on the lever assembly (side panel [39]) (❼).



# MECHANISM OPERATION DESCRIPTION

## FROM FWD PLAY TO RVS PLAY

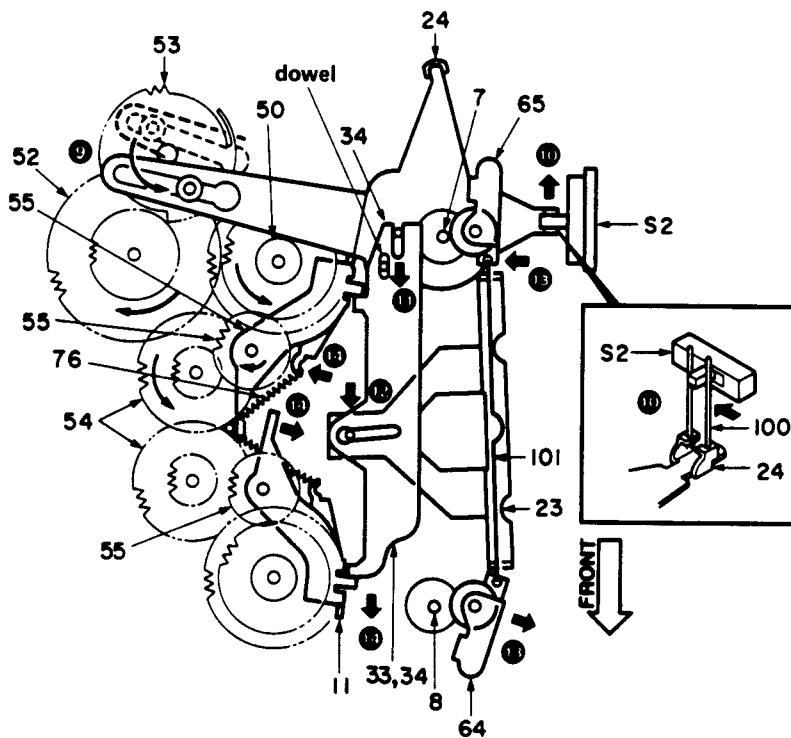
9. the gear assembly (switch [53]) moves the arm (24) from the FWD PLAY position to the RVS PLAY position through the movement of its boss (9).
10. Through the movement of the arm (24), the slide switch S2 is switched by the formed wire spring (100) (●).
11. The arm (24) moves the lever (33). The lever on it (34) moves at the same time through the dowel on the lever (33) (●).
12. The lever (33) moves the arm (23) (●).
13. Through the formed wire (PR [101]) of the arm (23), the pinchroller assembly (R [64]) contacts the shaft of the flywheel assembly (R [8]), and the pinch roller assembly (F [65]) is detached from the shaft of the flywheel assembly (F [7]) (●).
14. Through the movement of the lever (33) in the direction of the arrow (●), the gear (take-up [55]) attached to the slider assembly (11) is pushed by the lever (33), and the rotation is removed from the gear (take-up [54]). Through the movement of the lever (33) in the direction of the arrow (●), the gear (take-up [55]) attached to the slider assembly (11) is pulled by the tension spring (76), engages with the gear (take-up [54]), and the rotation is transmitted from the gear assembly (52→54→55→50) (●).



## MECHANISM OPERATION DESCRIPTION

## FROM RVS PLAY TO FWD PLAY

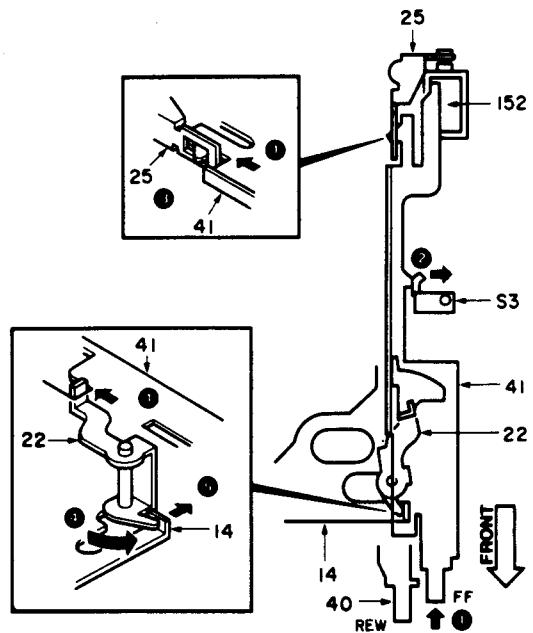
9. The gear assembly (switch [53]) moves the arm (24) from the FWD PLAY position to the RVS PLAY position through the movement of its boss (9).
10. Through the movement of the arm (24), the slide switch S2 is switched by the formed wire spring (100) (10).
11. The arm (24) moves the lever (34). The lever under it (33) moves at the same time through the dowel or the lever (34) (11).
12. The lever (34) moves the arm (23) (12).
13. Through the formed wire spring (PR [101]) of the arm (23), the pinchroller assembly (F [65]) contacts the shaft of the flywheel assembly (F [7]), and the pinch roller assembly (R [64]) is detached from the shaft of the flywheel assembly (R [8]) (13).
14. Through the movement of the lever (33) in the direction of the arrow (11), the gear (take up [55]) attached to the slider assembly (11) is pushed by the lever (33), and the rotation is removed from the gear (take-up [54]). Through the movement of the lever (33) in the direction of the arrow (12), the gear (take-up [55]) attached to the slider assembly (11) is pulled by the tension spring (76), engages with the gear (take up [54]), and the rotation is transmitted from the gear assembly (52→54→55→50) (14).



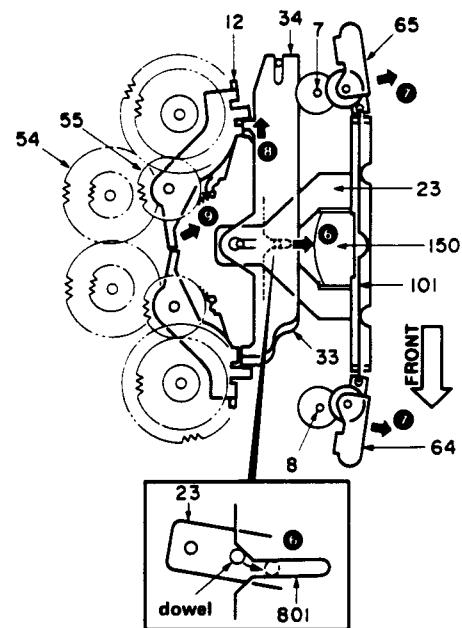
# MECHANISM OPERATION DESCRIPTION

FF

1. Push the lever (FR [41]) (①).
2. Pushing the lever (FR [41]) makes the leaf switch S3 turn on and muting is applied (②).
3. The lever (FR [41]) is locked by the arm (FR release [25]) (③).
4. By pushing the lever (FR [41]), the lever (FR cam [22]) is pushed in the direction of the arrow (④).
5. Through being pushed, the lever (FR cam [22]) moves the lever assembly (head plate [14]) backward a little. Through the backward movement of the lever assembly (head plate [14]), the playback head (150) also moves backward a little (⑤).

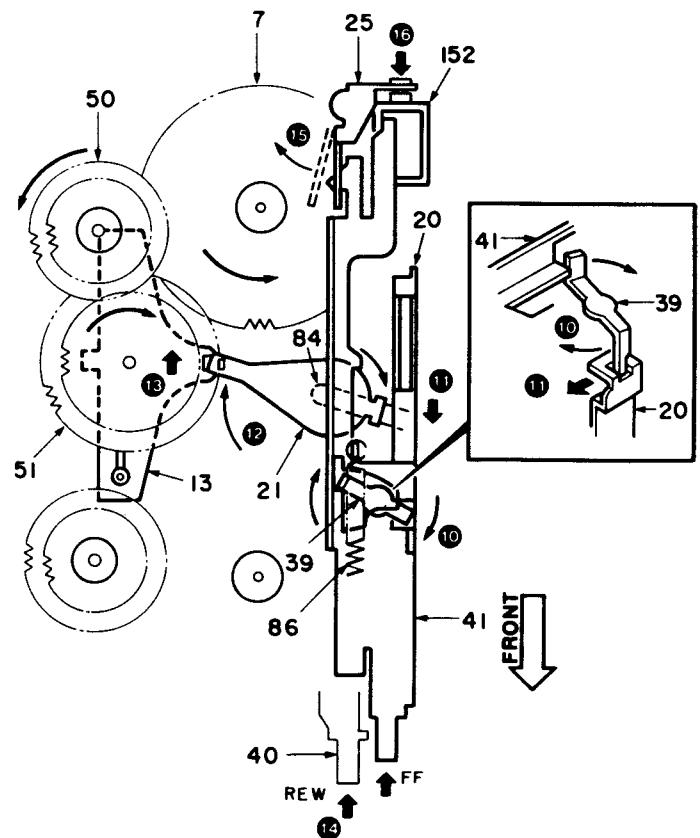


6. The arm (23) is slightly at an angle to the lever (34); however, through the backward movement of the lever assembly (head plate [14]), the arm (23) moves backward, its dowel being guided by the slot in the mechanism chassis (801) (⑥).
7. By moving the arm (23) backward, the pinch roller assembly (R [64]) and the pinch roller assembly (F [65]) move backward from the shafts on the flywheel assembly (F [7]) and the flywheel assembly (R [8]) through a formed wire spring (101) (⑦).
8. Through the backward movement of the dowel on the arm (23), the lever (34) moves in the direction of the arrow (⑧).
9. The gear (take-up [55]) attached to the slider assembly (B [12]) disengages from the gear (take-up [54]), and the take-up torque is removed (⑨).



## MECHANISM OPERATION DESCRIPTION

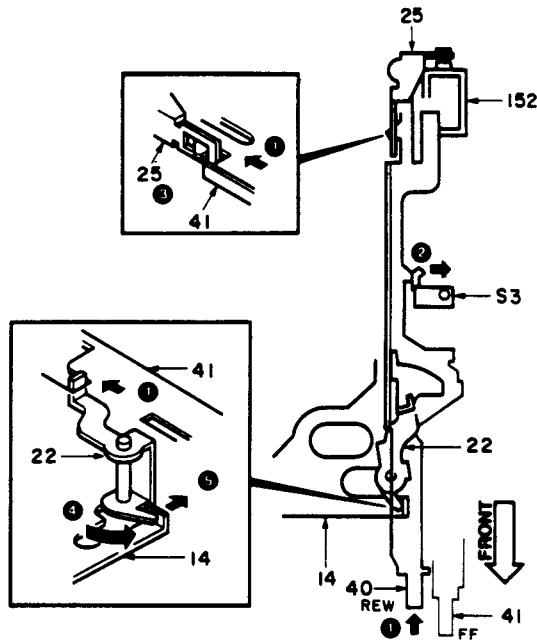
10. Meanwhile, through pushing the lever (FR [41]), the calking lever attached to the lever assembly (side panel [39]) is pushed by the lever (FR [41]) (●).
11. Through pushing the calking lever, the lever (FR cam [20]) moves forward (●).
12. Through the forward movement of the lever (FR cam [20]) the torsion coil spring (84) and the lever (FR cam [21]) turn in the direction of the arrow (●).
13. Through the turning of the lever (FR cam [21]), the gear assembly (FR gear [51]) attached to the lever assembly (FR [13]) engages with the gear of the flywheel assembly (F [7]) and turns the gear of the gear assembly (FR gear) in the direction of the arrow (●).
14. To release FF, slightly depress the lever (FR [40]) (●).
15. By depressin the lever (FR [40]), the arm (FR release [25]) moves, and the lever (FR [41]) returns by the tension of the tension spring (86) (●).
16. In the operation of T.ADV, electricity is supplied to the solenoid (152), which attracts the arm (FR release [25]). The lock on the arm (FR release [25]) is released, FF is released and FWD PLAY is engaged (●).



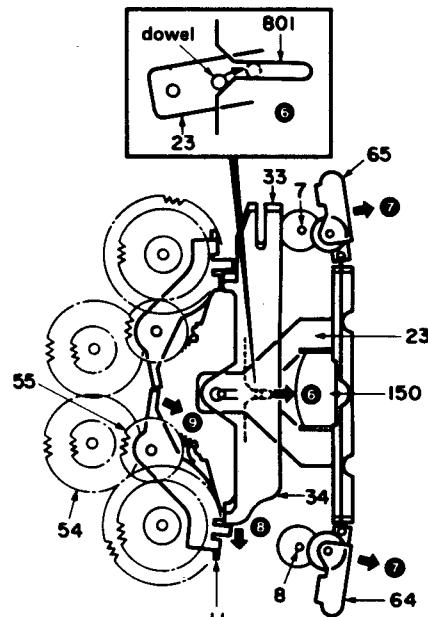
# MECHANISM OPERATION DESCRIPTION

## REW

1. Push the lever (FR [40]) (①).
2. Pushing the lever (FR [40]) closes the leaf switch S3 and muting is applied (②).
3. The lever (FR [40]) is locked by the arm (FR release [25]) (③).
4. By pushing the lever (FR [40]), the lever (FR cam [22]) is pushed in the direction of the arrow (④).
5. Through being pushed, the lever (FR cam [22]) moves the lever assembly (head plate [14]) backward a little. Through the backward movement of the lever assembly (head plate [14]), the playback head (150) also moves backward a little (⑤).

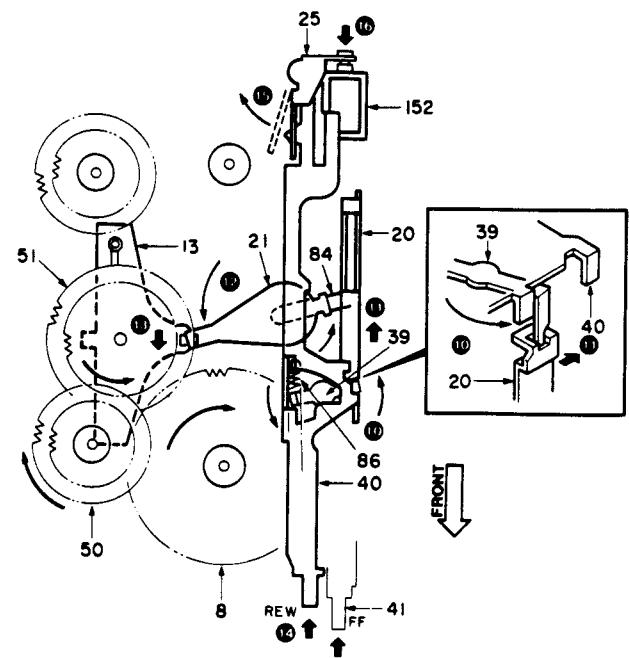


6. The arm (23) is slightly at an angle to the lever (34); however, through the backward movement of the lever assembly (head plate [14]), the arm (23) moves backward, its dowel being guided by the slot in the mechanism chassis (801) (⑥).
7. Through the backward movement of the arm (23), the pinch roller assembly (F [7]) and the pinch roller assembly (R [8]) move backward from the shafts of the flywheel assembly (F [7]) and the flywheel assembly (R [8]) (⑦).
8. Through the backward movement of the dowel on the arm (23), the lever (34) moves in the direction of the arrow (⑧).
9. The gear (take-up [55]) attached to the slider assembly (A [11]) disengages from the gear (take-up [54]), and the take-up torque is removed (⑨).



## MECHANISM OPERATION DESCRIPTION

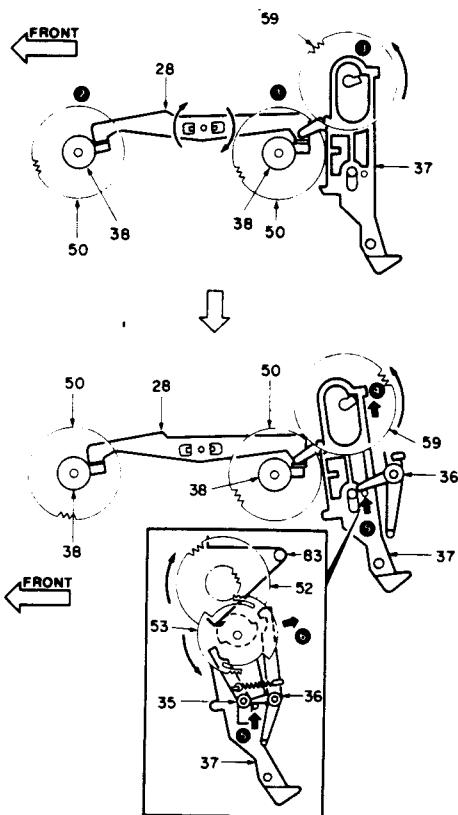
10. Meanwhile, through pushing the lever (FR [40]), the calking lever attached to the lever assembly (side panel [39]) is pushed by the lever (FR [40]) (●).
11. By pushing the calking lever, the lever (FR cam [20]) moves backward (●).
12. By the backward movement of the lever (FR cam [20]), the torsion coil spring (84) and the lever (FR cam [21]) turn in the direction of the arrow (●).
13. Through the turning of the lever (FR cam [21]), the gear assembly (FR gear [51]) attached to the lever assembly (FR [13]) engages with the gear of the fly wheel assembly (R [8]) and turns the gear of the gear assembly (FR gear [51]) in the direction of the arrow (●).
14. To release REW, slightly depress the lever (FR [41]) (●).
15. By depressing the lever (FR [41]), the arm (FR release [25]) moves, and the lever (FR [40]) returns by the tension of the tension spring (86) (●).
16. In the operation of T.ADV, electricity is supplied to the solenoid (152), which attracts the arm (FR release [25]). The lock on the arm (FR release [25]) is released, REW is released, and RVS PLAY is engaged (●).



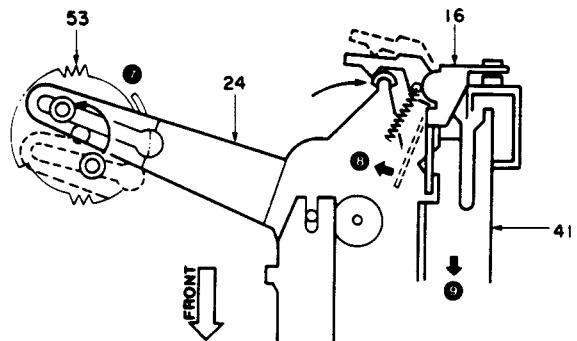
# MECHANISM OPERATION DESCRIPTION

## AUTO REVERSE

1. During FWD PLAY, when the rotation of the gear assembly (reel base [50]) of the take-up side stops at the end of the tape, the lower lever (sensor [38]) stops pushing the lever (sensor [28]) (①).
2. The operation for RVS PLAY is the same as that for FWD PLAY (②).
3. These end sensors on the take-up side stop pushing the end sensor lever (③).
4. The lever (sensor [37]) moves forward, riding on the cam of the gear (switch [59]) (④).
5. Through the forward movement of the lever (sensor [37]), its boss pushes the arm (36) (⑤).
6. The arm (36) releases the lock of the gear (switch [53]), the gear assembly (switch [53]) is pushed by the torsion coil spring (83), and engages with gear assembly (take-up [52]) (⑥).



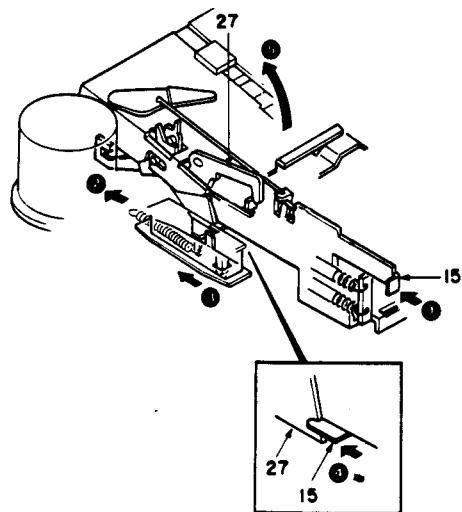
7. The gear (switch [53]) makes a half-turn, and operates the program (⑦).
  8. At the tape end during the operation of FF or FWD, the end sensor is activated, and the arm (24) moves the lever (reverse [16]) during the program operation (⑧).
  9. The level (FR [41]) and the lever (FR [40]) are released (⑨).
- \* The rotation of the gear assembly (reel base [50]) resets the lever (sensor [37]). The cam of the gear (switch [49]) pushes the lever (sensor [37]) to set it. After a half-turn of the cam of the gear assembly (switch [59]), the lever (sensor [37]) moves forward.



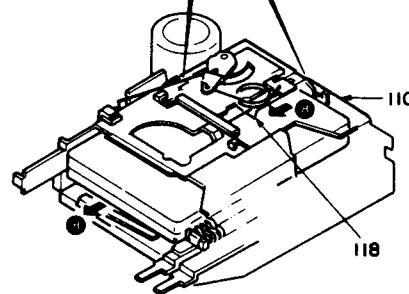
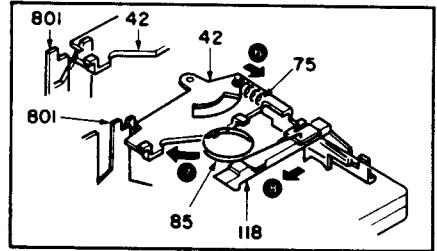
## MECHANISM OPERATION DESCRIPTION

### EJECT

1. Push the lever assembly (eject [15]) (①).
2. By pushing the lever assembly (eject [15]), the torsion coil spring (95) pushes the lever (49) (②).
3. Through pushing the lever (49), the slide switch S1 is turned off, and the lever assembly (head plate [14]) moves backward in the KEY OFF operation (③).
4. The lever assembly (eject [15]) pushes and turns the arm (action [27]) (④).
5. By turning, the arm (action) pushes up the holder (action plate [110]) (⑤).



6. When the holder (action plate [110]) is pushed up, the lever (reverse [42]) is pulled by the tension spring (75) and turns (⑥).
7. In turning, the lever (reverse [42]) is put on the lever of the mechanism chassis (801) (⑦).
8. The cassette guide (118) is pushed forward by the torsion coil spring (85), and the cassette tape is ejected (⑧).

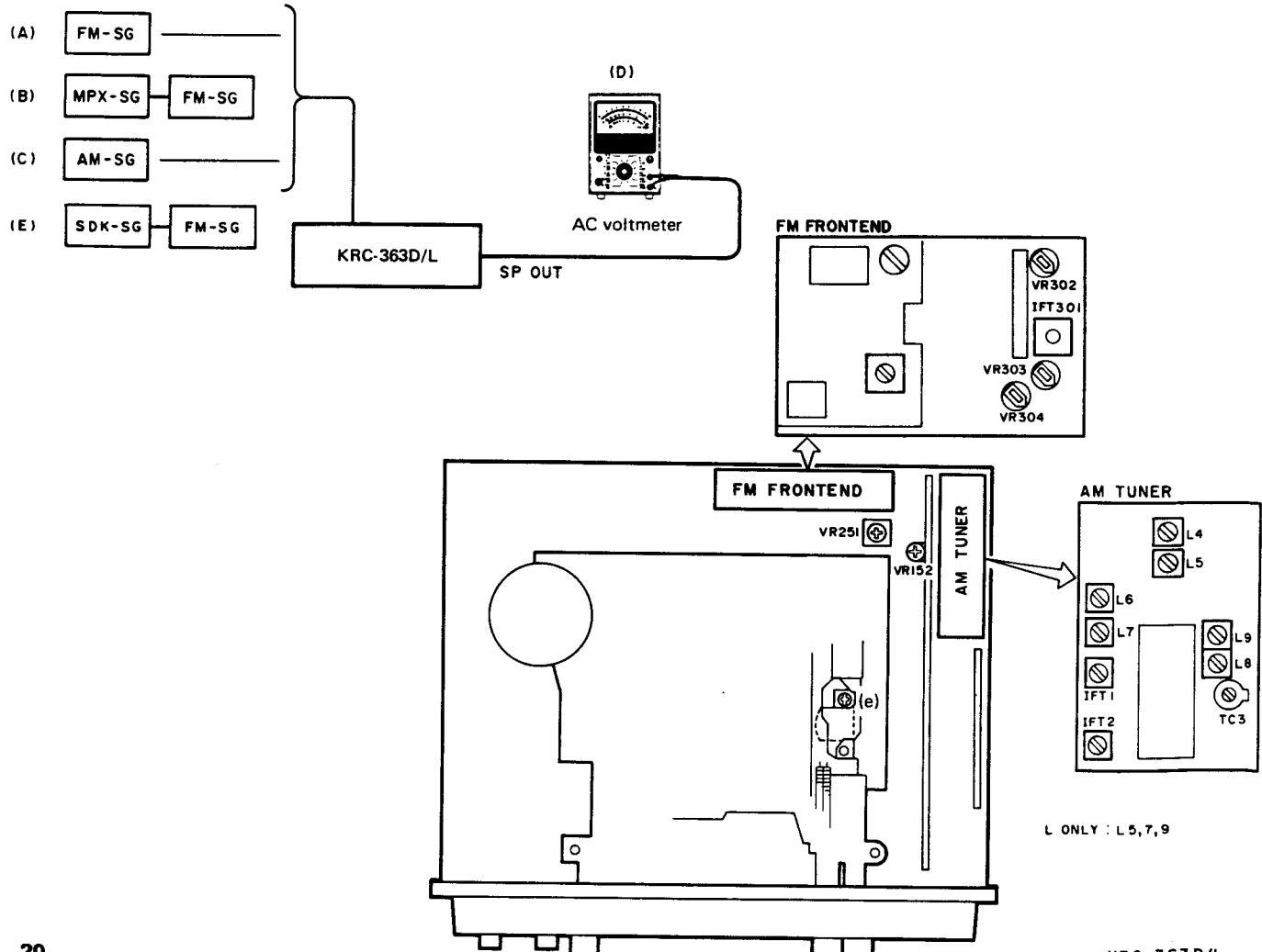


## ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>F M SECTION</b>							
1	DISCRIMINATOR	(A) 98.1MHz 1kHz±40kHz dev 60dB $\mu$ (ANT input)	Connect an oscilloscope to pins 7 and 13 of IC301(DC 50mV).	FM 98.1MHz	IFT301	0V	(a)
2	SOFT MUTE RATIO	(A) 98.1MHz 1kHz±40kHz dev 60dB $\mu$ (ANT input)	(D) Connect an AC Voltmeter to SP output.	FM 98.1MHz	VR302	Difference between 60dB $\mu$ input and 20dB $\mu$ input levels: 25dB	
3	AUTO STOP LEVEL	(A) 98.1MHz 1kHz±40kHz dev 20dB $\mu$ (ANT input)	Connect a DC Voltmeter between pin 4 of IC802 (TC4069UBP) and GND.	FM 98.1MHz	VR304	Point at which DC 4.5V changes to 0V	(b)
4	SEPARATION	(B) 98.1MHz 1kHz±40kHz dev Pilot: ±6kHz dev Selector: L or R 60dB $\mu$ (ANT input)	(D) Connect an AC Voltmeter to SP output. (Reference level: 2V/4Ω)	FM 98.1MHz	VR152	Minimum crosstalk	
5	ANRC	(B) 98.1MHz 1kHz±40kHz dev Pilot: ±6kHz dev Selector: L or R 35dB $\mu$ (ANT input)	(D) Connect an AC Voltmeter to SP output. (Reference level: 2V/4Ω)	FM 98.1MHz	VR303	Separation: 10dB	
<b>S D K SECTION</b>							
6	DK LEVEL	(E) 98.1MHz 0 mod SK 5.33% DK 30% BK 60% 60dB $\mu$ (ANT input)	Connect the AC voltmeter to TP1.	FM 98.1MHz SDK:OFF	L901 VR901	Maximum output	(c)
7	SDK VOLUME LEVEL	(E) 98.1MHz 1kHz±40kHz dev SK 5.33% DK 30% BK 60% 60dB $\mu$ (ANT input)	(B)	FM 98.1MHz VOLUME:0	VR951	400mV	
After the ANRC adjustment, perform the separation.							
<b>M W SECTION</b> Note 1: If the sensitivity is too low to make adjustments, increase the ANT input as required. Make adjustments at an input level at which the AGC does not operate.							
(1)	BAND EDGE	-	Connect a DC Voltmeter between the VT terminal of the AM tuner unit (pin 3) and GND.	531kHz	L8	DC 1.3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dB $\mu$ (ANT input) Note 1	(D) Connect an AC Voltmeter to SP output.	531kHz	IFT1 IFT2	Maximum output	
(3)	RF ALIGNMENT(1)	(C) 603kHz 400Hz 30% MOD 30dB $\mu$ (ANT input) Note 1	(D) Connect an AC Voltmeter to SP output.	603kHz	L4 L6	Maximum output	
(4)	RF ALIGNMENT(2)	(C) 1530kHz 400Hz 30% MOD 30dB $\mu$ (ANT input) Note 1	(D) Connect an AC Voltmeter to SP output.	1530kHz	TC3	Maximum output	
(5)	AUTO STOP LEVEL	(C) 999kHz 400Hz 30% MOD 32dB $\mu$ (ANT input)	Connect a DC Voltmeter between pin 4 of IC802 (TC4069UBP) and GND.	999kHz	VR251	Point at which DC 4.5V changes to 0V	(b)

## ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>LW SECTION</b>							
<1>	BAND EDGE	-	Connect a DC Voltmeter between the VT terminal of the AM tuner unit (pin 3) and GND.	153kHz	L9	DC 1.6V	(d)
<2>	RF ALIGNMENT	(C) 220kHz 400Hz 30% MOD 30dB $\mu$ (ANT input) Note 1	(D) Connect an AC Voltmeter to SP output.	220kHz	L5 L7	Maximum output	
<b>CASSETTE DECK SECTION</b>							
[1]	DEMAGNETIZATION AND CLEANING	-	-	Power OFF	Recording head Capstan Pinch roller	Demagnetize the recording head with the head demagnetizer. Clean the recording head, reverse head, capstan, and pinch roller with alcohol.	
[2]	AZIMUTH	MTT-256 10kHz. -20dB	(D)	PLAY	Azimuth adjustment screw	Adjust the azimuth adjustment screw so that maximum output is obtained.	(e)

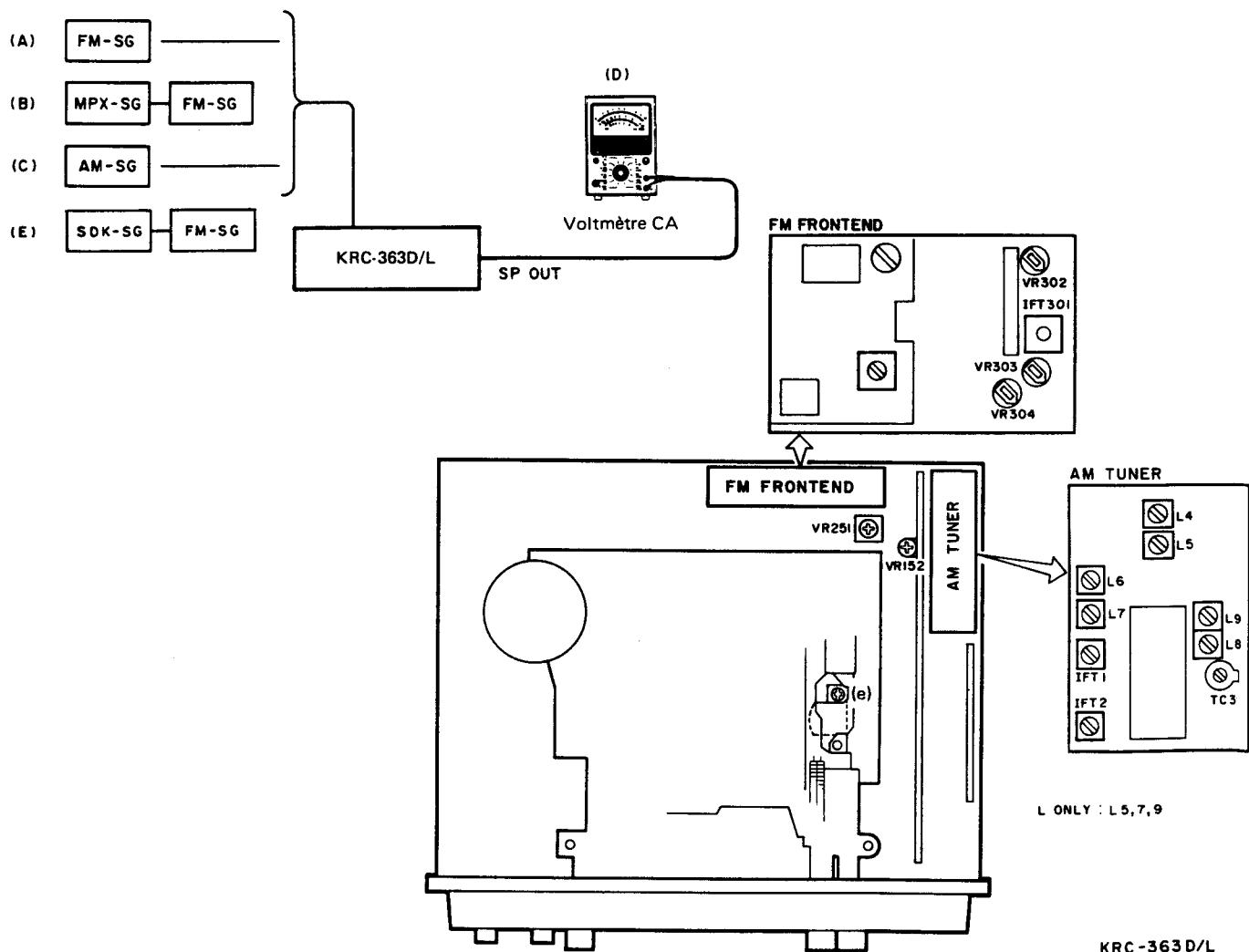


## REGLAGE

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
<b>SECTION MF</b>							
1	DISCRIMINATEUR	(A) 98,1MHz 1kHz±40kHz dév 60dBµ(Entrée ANT)	Connecter un oscilloscope aux broches 7 et 13 de de IC301 (DC 50mV).	FM 98,1MHz	IFT301	0V	(a)
2	RAPPORT "SOFT MUTE"	(A) 98,1MHz 1kHz±40kHz dév 60dBµ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP.	FM 98,1MHz	VR302	Différence entre les niveaux d'entrée 60dBµ et 20dBµ : 25dB	
3	NIVEAU ARRET AUTOMATIQUE	(A) 98,1MHz 1kHz±40kHz dév 20dBµ(Entrée ANT)	Connecter un voltmètre DC entre la broche 4 de IC802(TC4069UBP) et GND	FM 98,1MHz	VR304	Point sur lequel DC 4,5V charge sur 0V	(b)
4	SEPARATION	(B) 98,1MHz 1kHz±40kHz dév Pilote: 6kHz dév Sélecteur: L ou R 60dBµ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP. (Niveau de référence: 2V/40)	FM 98,1MHz	VR152	Transmodulation minimum	
5	ANRC	(B) 98,1MHz 1kHz±40kHz dév Pilote: 6kHz dév Selecter: L ou R 35dBµ(Entrée ANT)	(D) Connecter un voltmètre à la sortie SP. (Niveau de référence: 2V/40)	FM 98,1MHz	VR303	Séparation: 10dB	
<b>SECTION SDK</b>							
6	NIVEAU DE DK	(E) 98,1MHz 0 mod SK 5,33% DK 30% BK 60% 60dBµ(Entrée ANT)	Connecter un voltmètre CA à la TP1.	FM 98,1MHz SDK:OFF	L901 VR901	Sortie maximum	(c)
7	NIVEAU DE SDK VOLUME	(E) 98,1MHz 1kHz±40kHz dév SK 5,33% DK 30% BK 60% 60dBµ(Entrée ANT)	(B)	FM 98,1MHz VOLUME:0	VR951	400mV	
Après le réglage ANRC, effectuer à nouveau le réglage de séparation.							
<b>SECTION MW</b> Note 1: Si la sensibilité est trop basse pour effectuer des réglages, augmenter le niveau d'entrée comme requis. Effectuer les réglages d'entrée auxquels l'AGC ne fonctionne pas.							
(1)	BORD DE BAND	-	Connecter un voltmètre DC entre la borne VT du syntonisateur AM (broche 3) et GND.	531kHz	L8	DC 1.3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dBµ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	531kHz	IPT1 IPT2	Sortie maximum	
(3)	ALIGNEMENT H.T. (1)	(C) 603kHz 400Hz 30% MOD 30dBµ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	603kHz	L4 L6	Sortie maximum	
(4)	ALIGNEMENT H.T. (2)	(C) 1530kHz 400Hz 30% MOD 30dBµ(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	1530kHz	TC3	Sortie maximum	
(5)	NIVEAU ARRET AUTOMATIQUE	(C) 999kHz 400Hz 30% MOD 32dBµ(entrée ANT)	Connecter un voltmètre DC entre la broche 4 de IC802(TC4069UBP) et GND.	999kHz	VR251	Point sur lequel DC 4,5V charge sur 0V	(b)

## REGLAGE

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
<b>LW SECTION</b>							
<1>	BORD DE BANDE	—	Connecter un voltmètre DC entre la borne VT du syntonisateur AM (broche 3) et GND.	153kHz	L9	DC 1,6V	(d)
<2>	TRACKING	(C) 220kHz 400Hz 30% MOD 30dBu(entrée ANT) Note 1	(D) Connecter un voltmètre CA à la sortie SP.	220kHz	L5 L7	Sortie maximum	
<b>SECTION DU MAGNETPHONE</b>							
[1]	DÉMAGNETISATION ET NETTOYAGE	—	—	Power OFF	Tête d'enregistrement Cabestan Galet presseur	Démagnétiser la tête d'enregistrement avec un démagnétiseur de tête. Nettoyer la tête d'enregistrement, la tête d'effacement, le cabestan et le galet presseur avec de l'alcool.	
[2]	AZIMUT	MTT-256 10kHz. -20dB	(D)	PLAY	Vis de réglage de l'azimut	Ajuster la vis de réglage de l'azimut de telle manière que l'on puisse obtenir un niveau de sortie maximum.	(e)

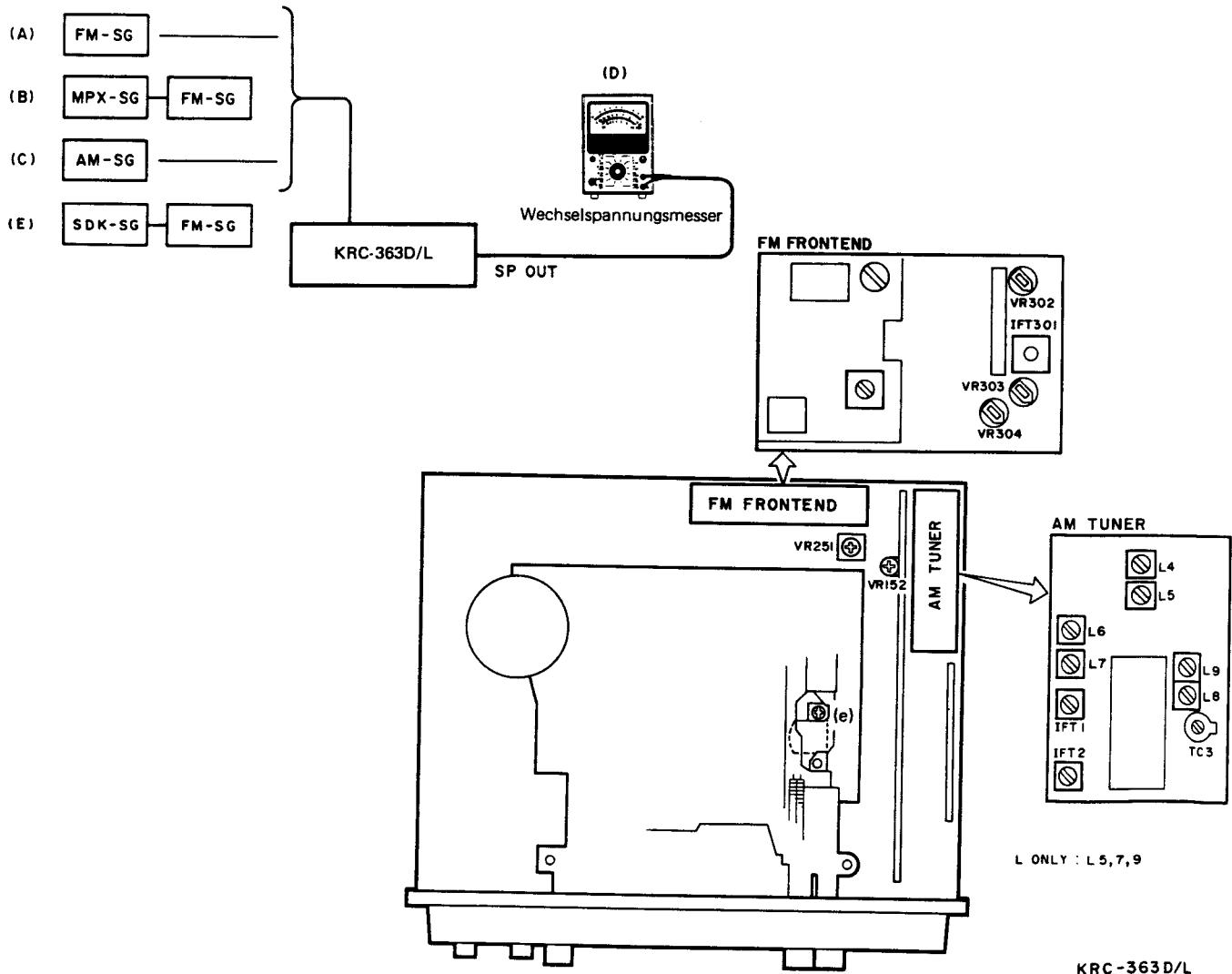


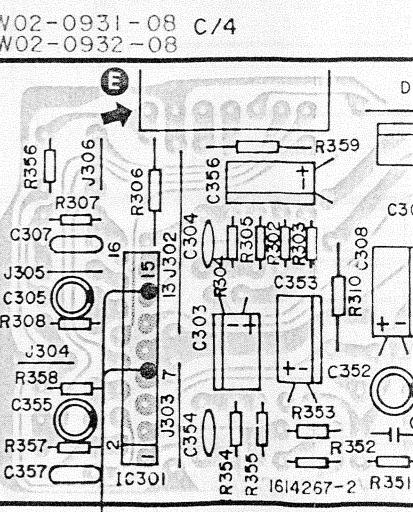
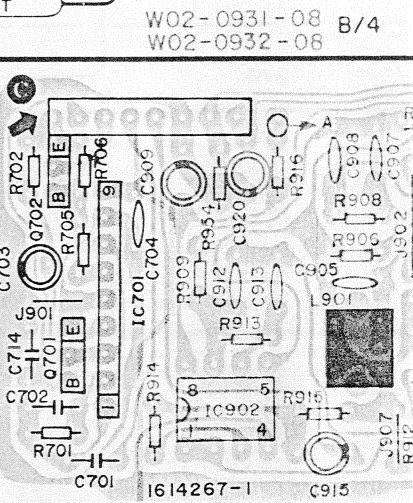
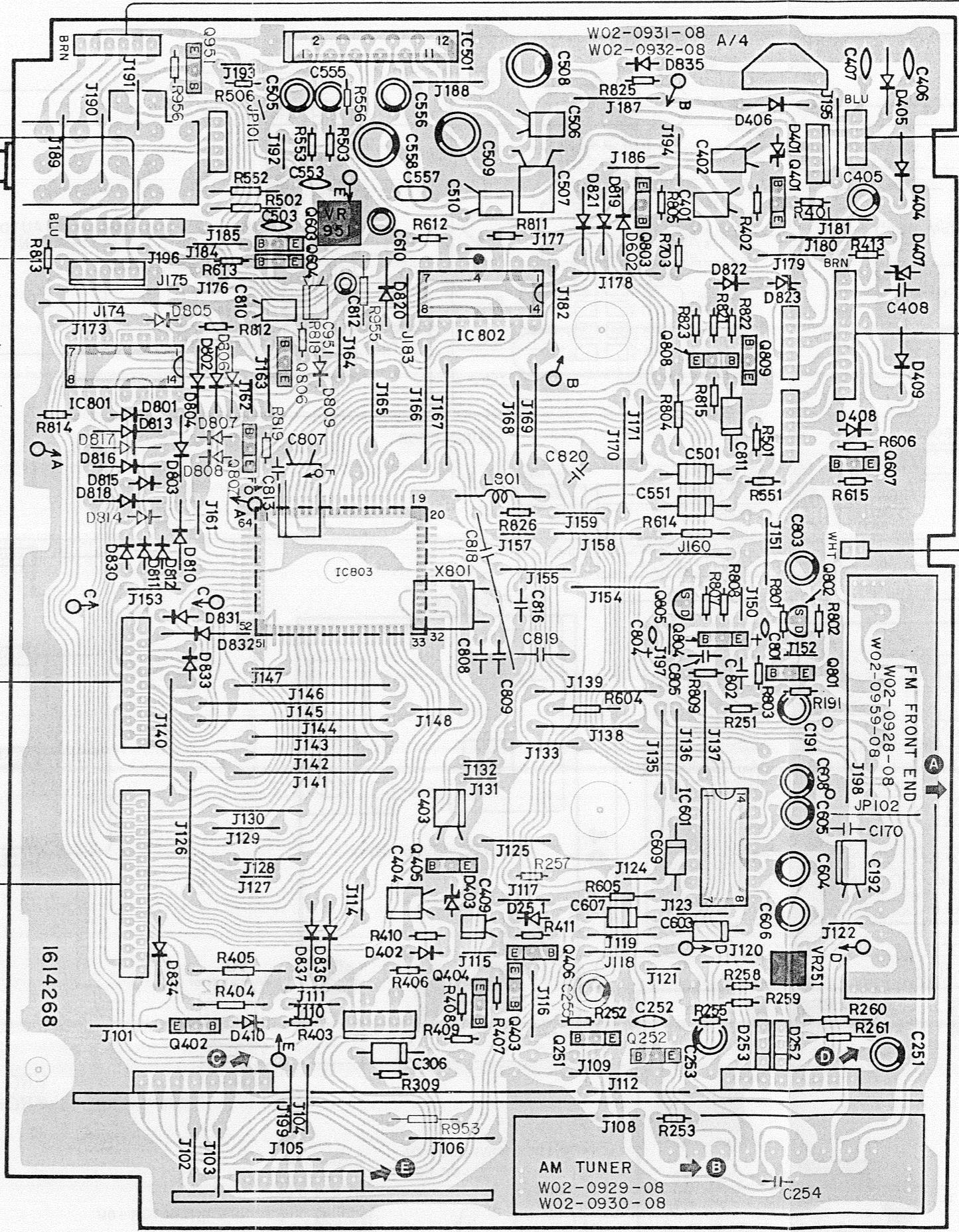
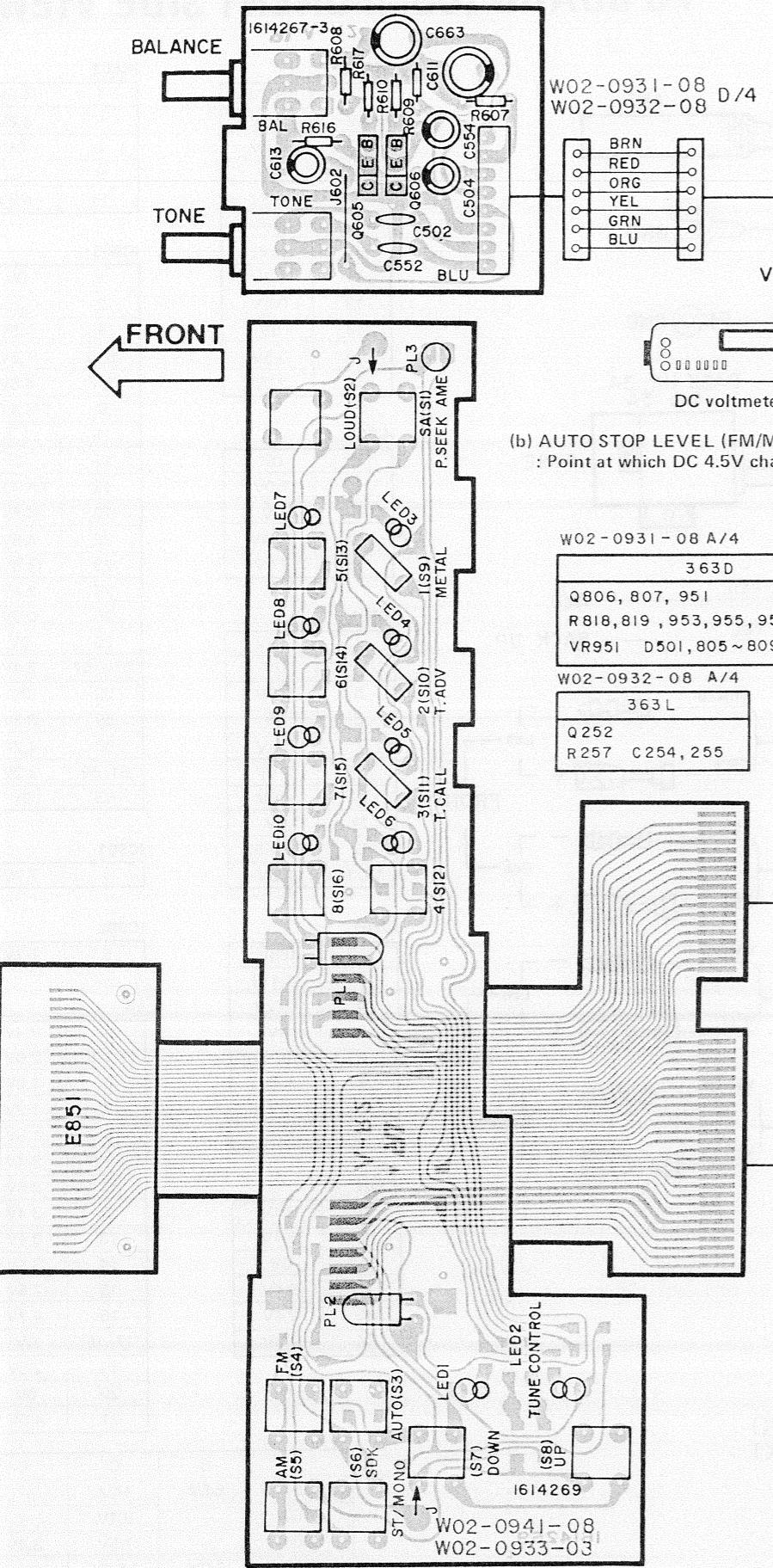
## ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
<b>MF - ABTEILUNG</b>							
1	DISCRIMINATOR	(A) 98,1MHz 1kHz±40kHz Hub 60dBμ(ANT-Eingang)	Ein Oszilloskop an Stifte 7 und 13 des IC301 anschließen (DC 50mV).	FM 98,1MHz	IFT301	0V	(a)
2	SOFT-MUTE VERHÄLTNIS	(A) 98,1MHz 1kHz±40kHz Hub 60dBμ(ANT-Eingang)	(D) Ein Voltmeter an den SP-Ausgang anschließen.	FM 98,1MHz	VR302	Unterschied zwischen Eingangsspegl von 60dBμ und 20dBμ: 25dB	
3	AUTO-STOP PEGEL	(A) 98,1MHz 1kHz±40kHz Hub 20dBμ(ANT-Eingang)	Einen DC-Voltmeter zwischen IC802 Stift 4 (TC4069UBP) und GND anschließen.	FM 98,1MHz	VR304	Stelle an der sich DC 4,5V auf 0V umändert	(b)
4	TRENNUNG	(B) 98,1MHz 1kHz±40kHz Hub Wähler: L oder R 60dBμ(ANT-Eingang)	(D) Ein AC-Voltmeter an den SP-Eingang anschließen. (Bezugspegel: 2V/4Ω)	FM 98,1MHz	VR152	Minimales Übersprechen	
5	ANRC	(B) 98,1MHz 1kHz±40kHz Hub Pilot:±6kHz Hub Wähler: L oder R 35dBμ(ANT-Eingang)	(D) Ein AC-Voltmeter an den SP-Eingang anschließen. (Bezugspegel: 2V/4Ω)	FM 98,1MHz	VR303	Trennung: 10dB	
<b>SDK - ABTEILUNG</b>							
6	DK PEGEL	(E) 98,1MHz 0 mod SK 5,33% DK 30% BK 60% 60dBμ(ANT-Eingang)	Ein AC-Voltmeter an den TP1.	FM 98,1MHz SDK:OFF	L901 VR901	Maximale Leistung	(c)
7	SDK LAUTSTÄRKE PEGEL	(E) 98,1MHz 1kHz±40kHz Hub SK 5,33% DK 30% BK 60% 60dBμ(ANT-Eingang)	(B)	FM 98,1MHz VOLUME:0	VR951	400mV	
Nach der ANRC-Einstellung die Separations-Einstellung(Stereo Kanal Trennung) erneut durchführen.							
<b>MW - ABTEILUNG</b> Note 1: Falls die Empfindlichkeit zu niedrig ist, um eine Abgleichung vorzunehmen, die ANT-Eingabe wie erforderlich erhöhen. Die Abgleichung bei einem Eingangsspegl vornehmen, an dem die AGC wirkungslos ist.							
(1)	BANDKANTE	-	Ein DC-Voltmeter zwischen der VT-Klemme des AM-Tunerteils(Stift 3) und GND anschließen.	531kHz	L8	DC 1,3V	(d)
(2)	IF	(C) 531kHz 400Hz 30% MOD 30dBμ(ANT-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	531kHz	IPT1 IFT2	Maximale Leistung	
(3)	HF-ABGLEICH(1)	(C) 603kHz 400Hz 30% MOD 30dBμ(ANT-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	603kHz	L4 L6	Maximale Leistung	
(4)	HF-ABGLEICH(2)	(C) 1530kHz 400Hz 30% MOD 30dBμ(ANT-Eingang) Note 1	(D) Ein AC-Voltmeter an den SP-Eingang anschließen.	1530kHz	TC3	Maximale Leistung	
(5)	AUTO-STOP PEGEL	(C) 999kHz 400Hz 30% MOD 32dBμ(ANT-Eingang)	Ein DC-Voltmeter zwischen Stift 4 am IC802(TC4069UBP) und GND anschließen.	999kHz	VR251	Stelle an der sich DC 4,5V 0V umändert.	(b)

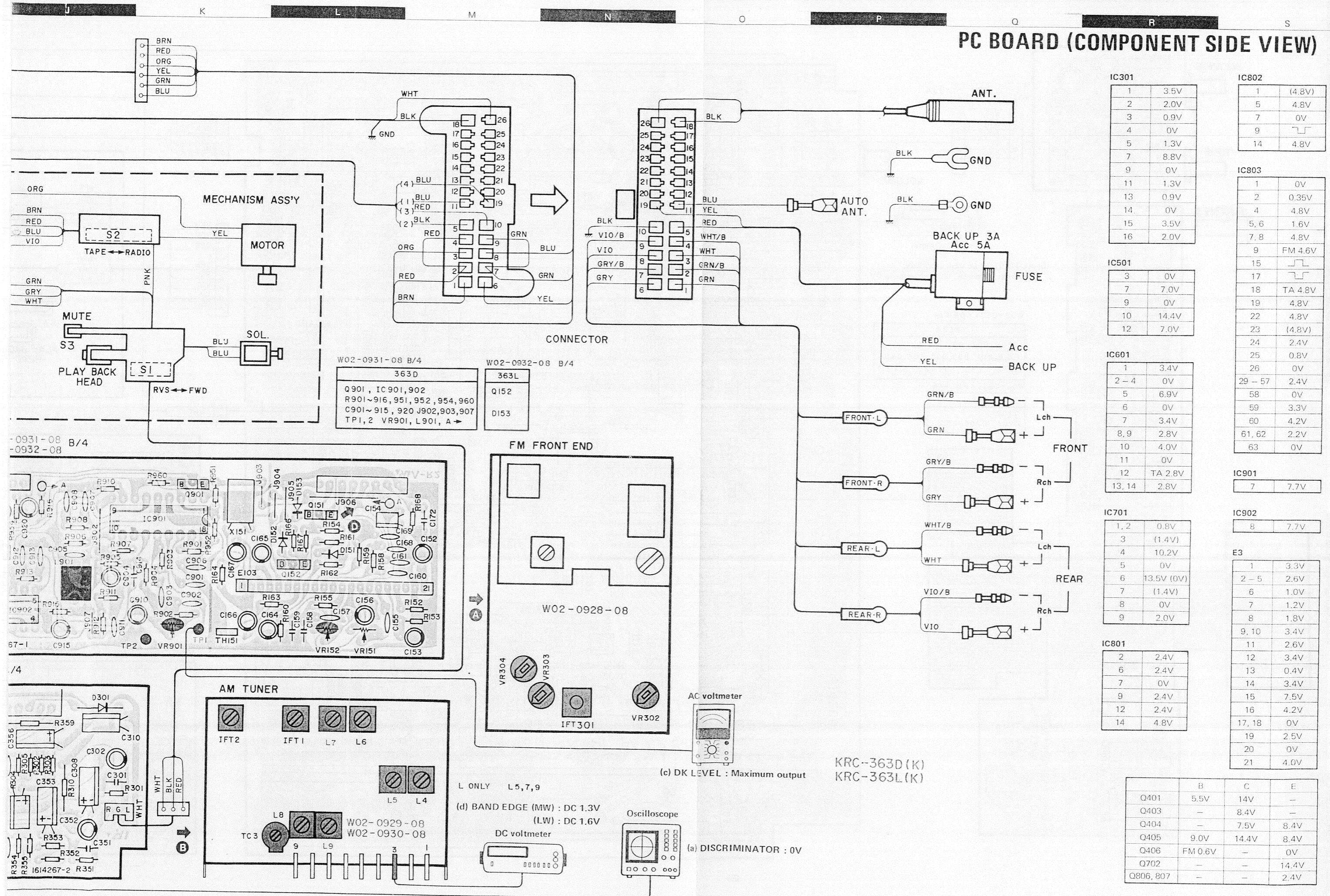
## ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
<b>LW - ABTEILUNG</b>							
<1>	BANDKANTE	-	Ein DC-Voltmeter zwischen der VT-Klemme des AM-Tunerteils (Stift 3) und GND anschließen.	153kHz	L9	DC 1,6V	(d)
<2>	HF-ABGLEICH	(C) 220kHz 400Hz 30% MOD 30dB $\mu$ (ANT-Eingang) Note 1	(D) Ein DC-Voltmeter an den SP-Eingang anschließen.	220kHz	L5 L7	Maximale Leistung	
<b>CASSETTE DECK ABTEILUNG</b>							
[1]	ENTMAGNETISIERUNG UND REINIGUNG	-	-	Power OFF	Sprechkopf Tonrolle Klemmrolle	Mit dem Entmagnetisierer entmagnetisieren. Sprechkopf, Löschkopf, Klemmrolle mit Alkohol reinigen.	
[2]	AZIMUT	MTT-256 10kHz. -20dB	(D)	PLAY	Azimut-Einstellschraube	Die Azimut-Einstellschraube der art herstellen, daß die maximale Ausgangsleistung erhalten wird.	(e)

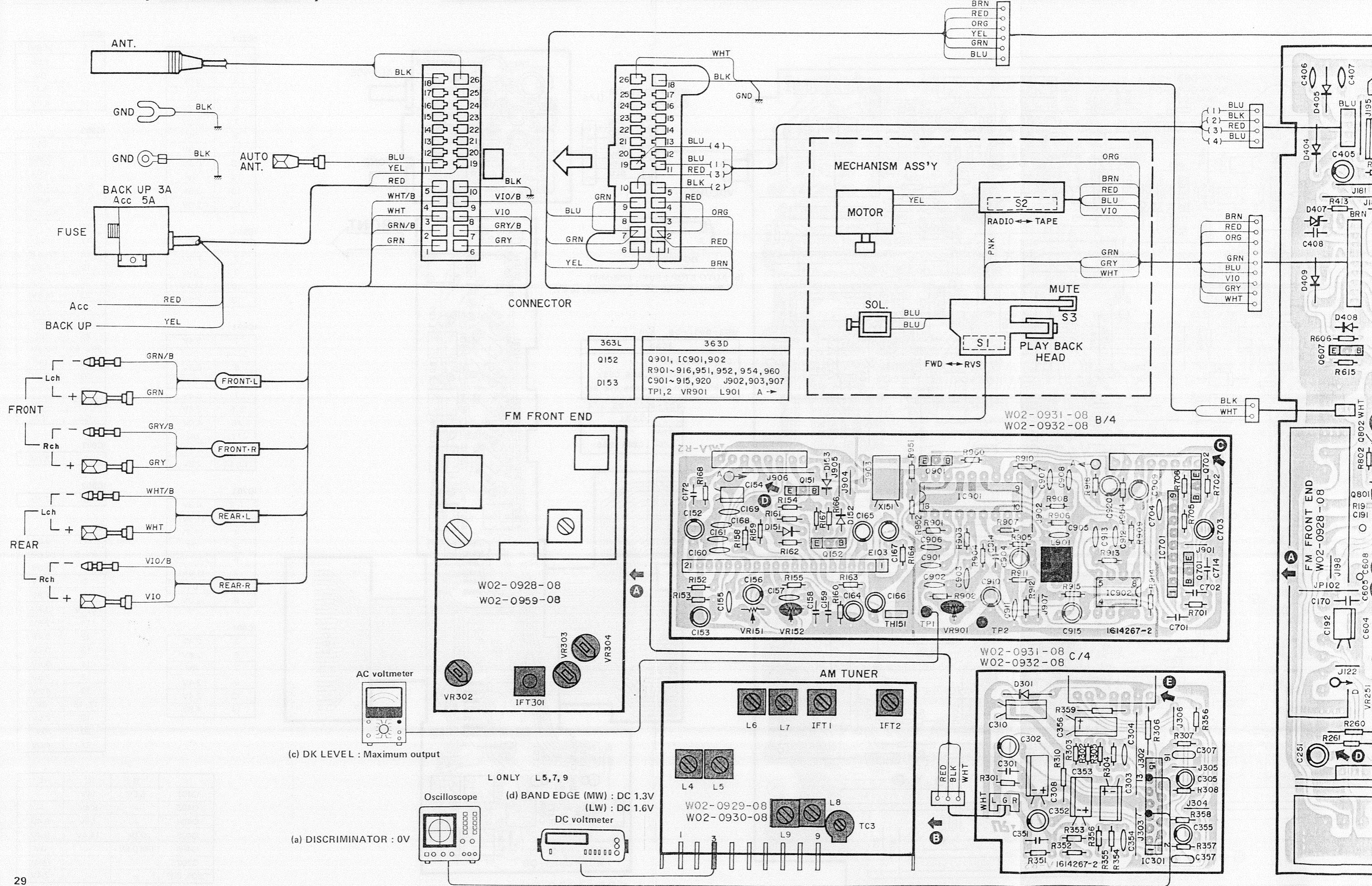


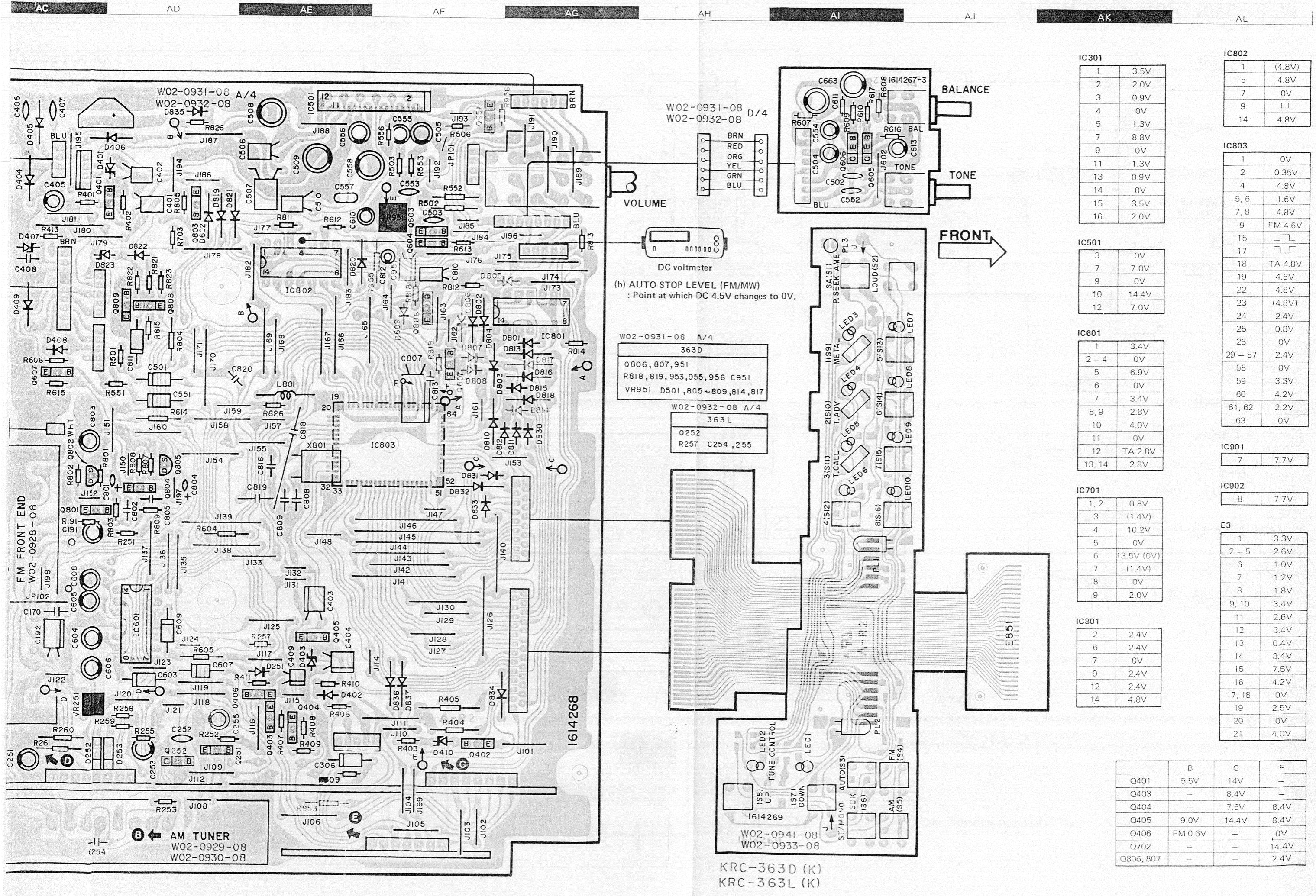


# PC BOARD (COMPONENT SIDE VIEW)

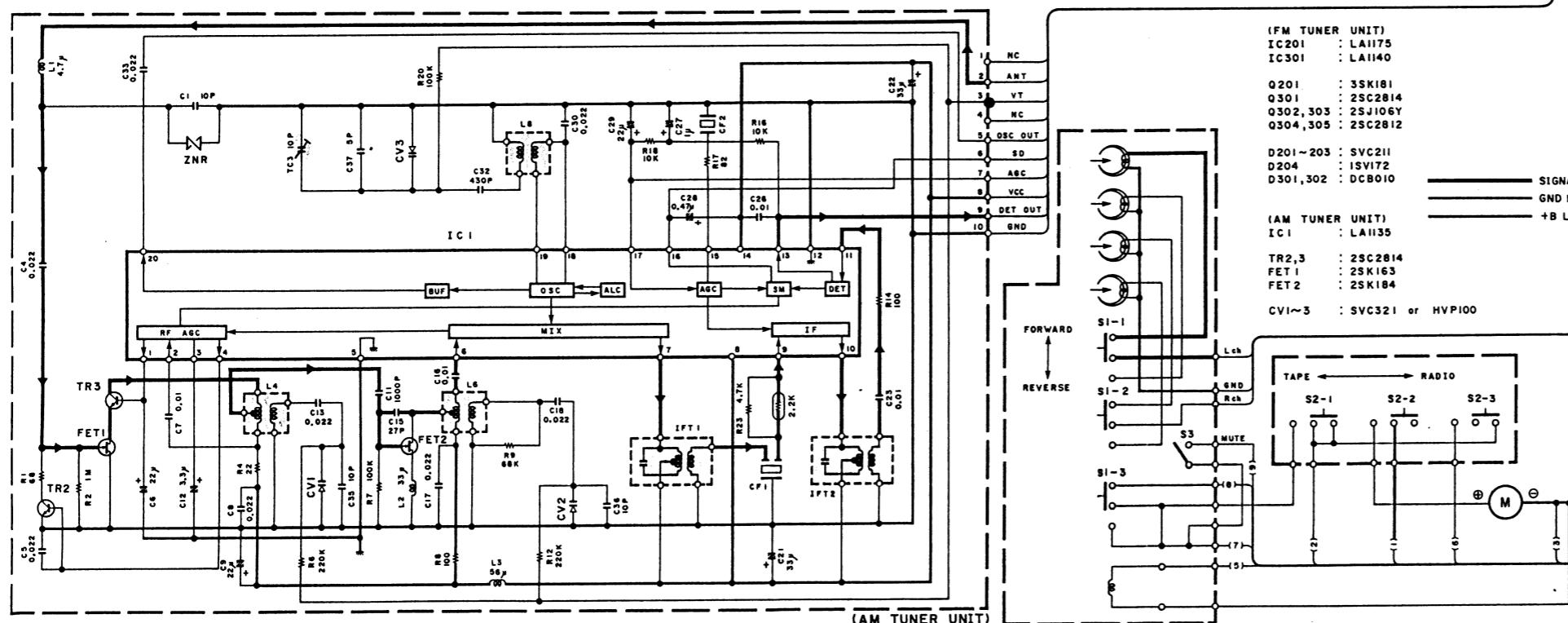
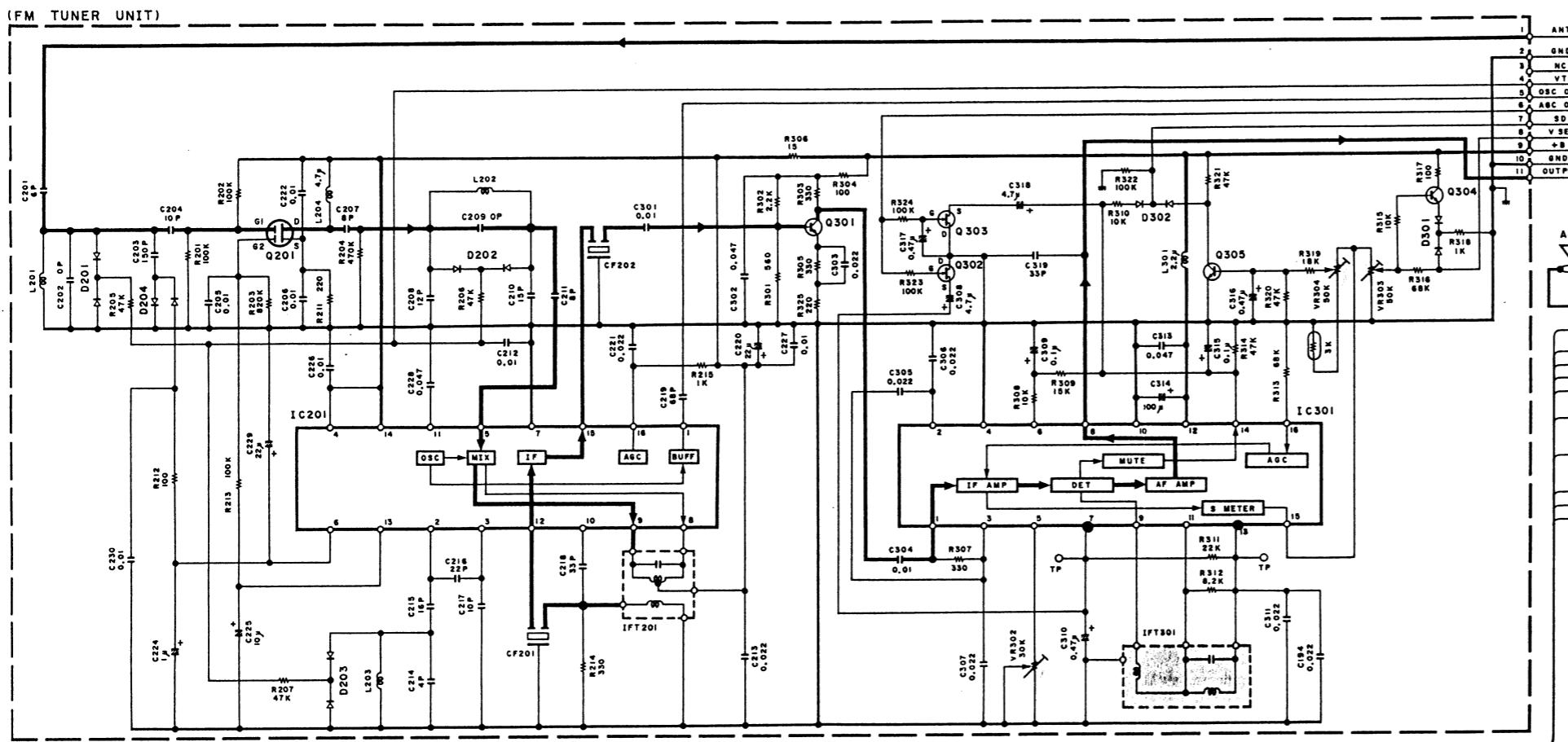


## **PC BOARD (FOIL SIDE VIEW)**

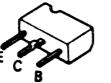




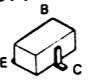
A B C D E F G H I J



DTA114YF 2SA937  
DTC114YF 2SB822  
DTC143TF 2SC2021  
DTC144EF 2SD1225M  
2SA874 2SD1469



2SC2812  
2SC2814



BU4081BP  
M51551P



BU4069UB  
TC4081BP



TC4069UBP  
TC4081BP



LA1175



LA1135



AN6262



LA1140



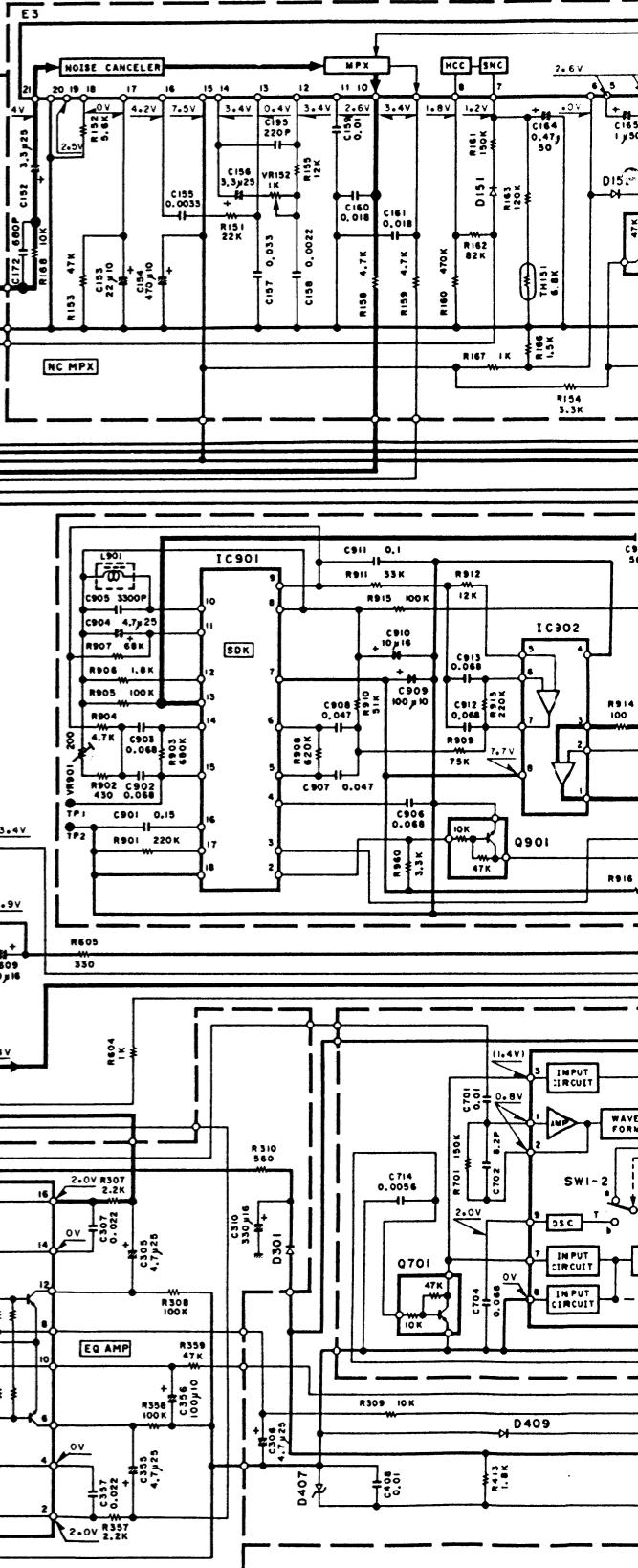
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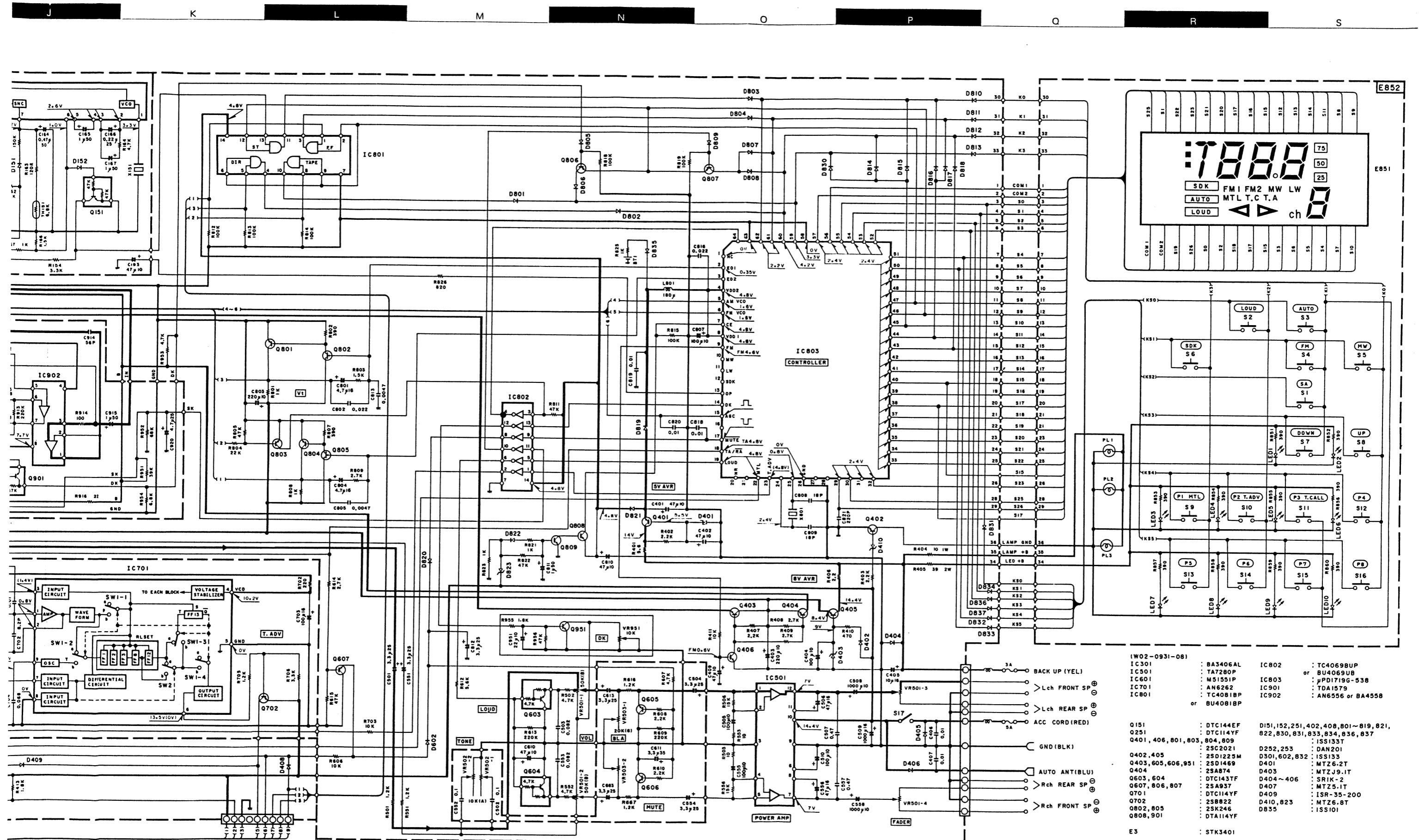


BA3406AL



(W02-0931-08)





• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

**KRC-363D**  
KENWOOD

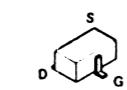
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2SK163



2SK184



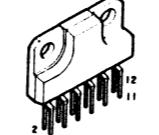
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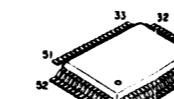
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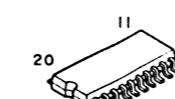
TA7280P



$\mu$ PD1719G-538

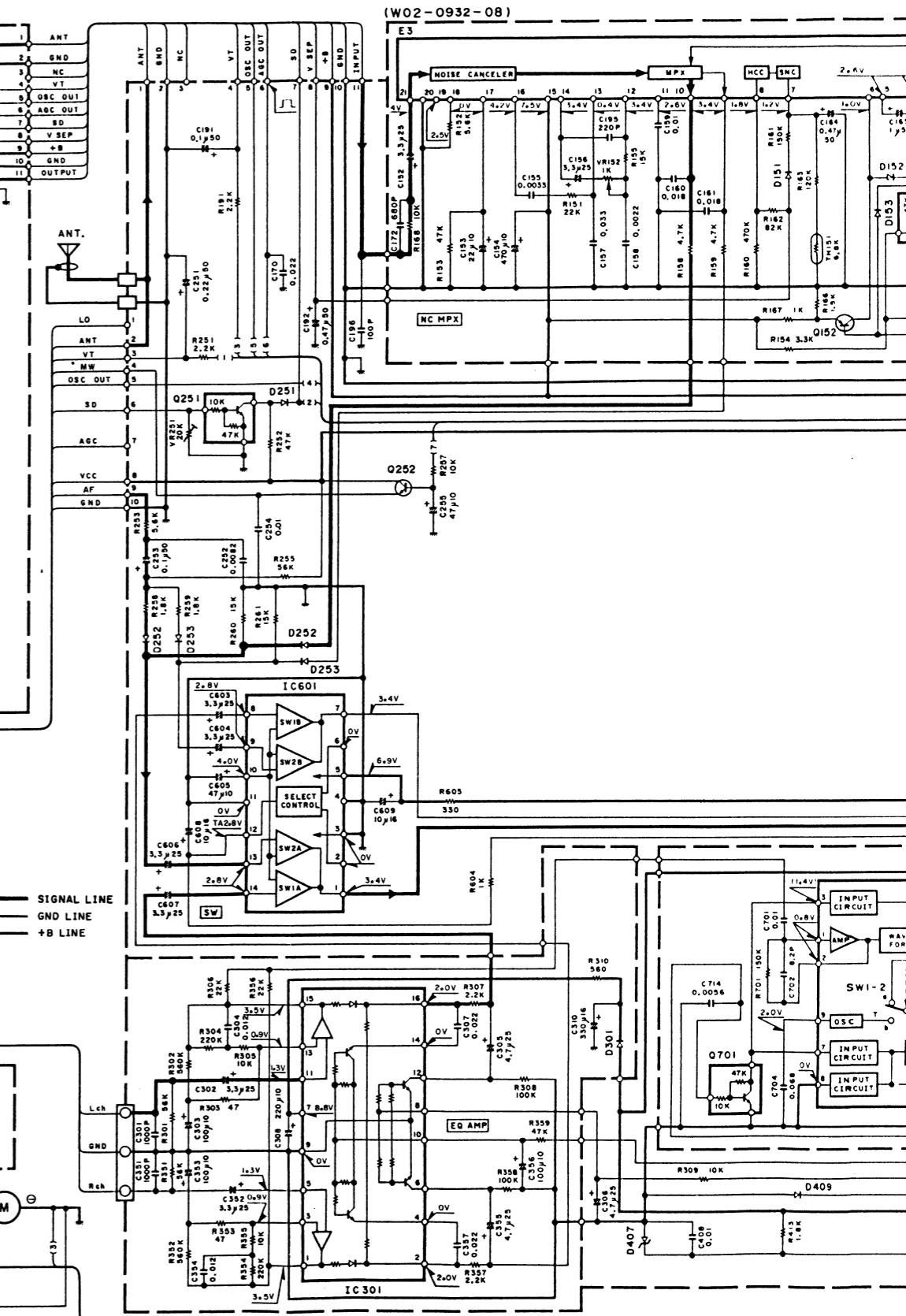
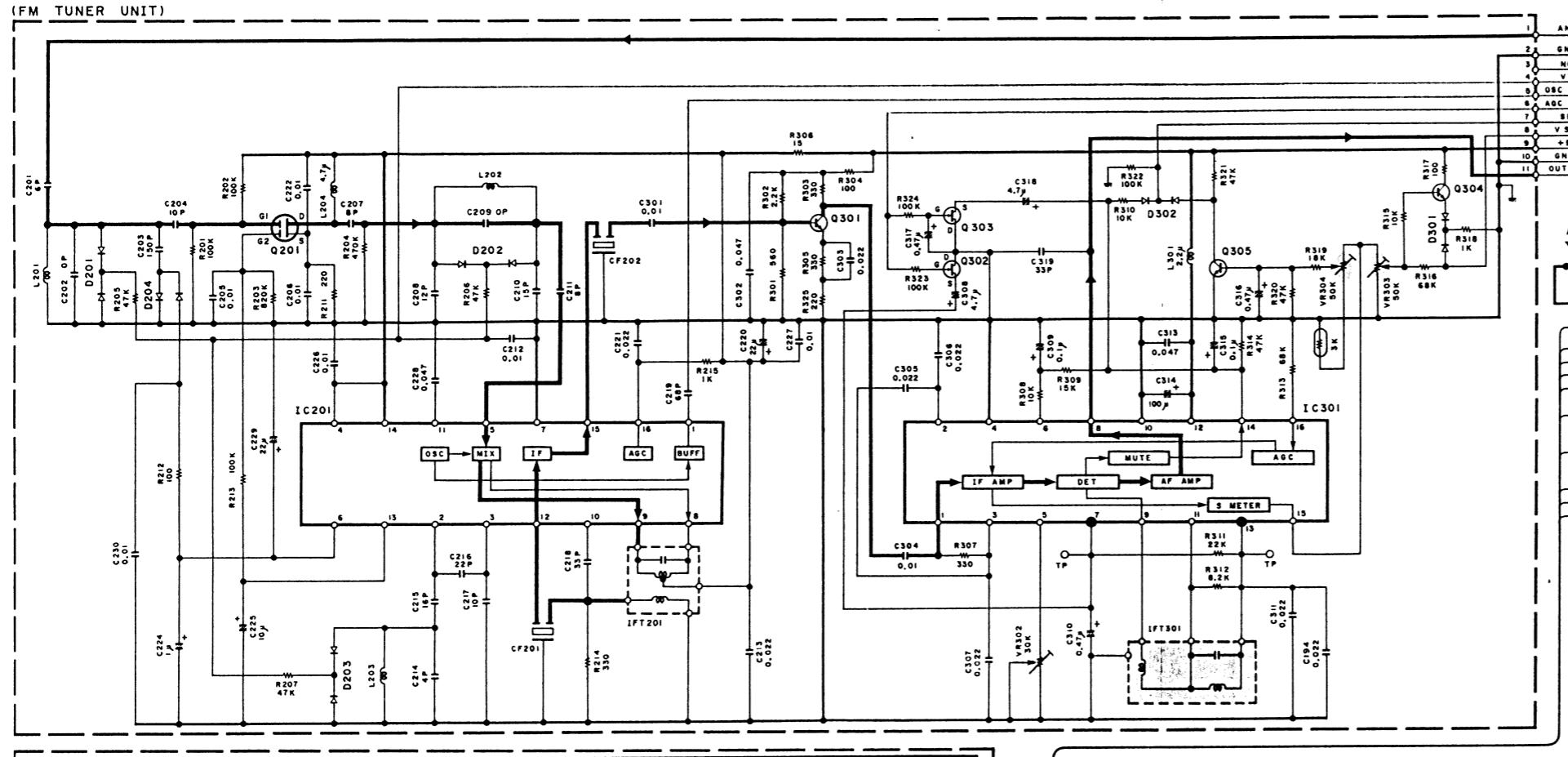


TDA1579



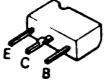
STK3401



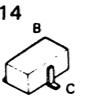


(AM TUNER UNIT)

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DTC114YF	2SB822
DTC143TF	2SC2021
DTC144EF	2SD1225M
2SA874	2SD1469



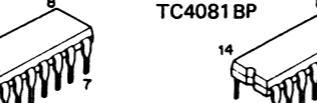
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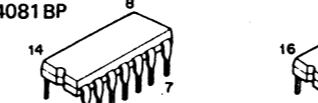
A photograph of a surface-mount integrated circuit (IC) package. The markings visible on the package are "BU4081BP" and "M51551P".



BU4069UB  
14 8



TC4069UB  
TC4081BP



LA1175



10



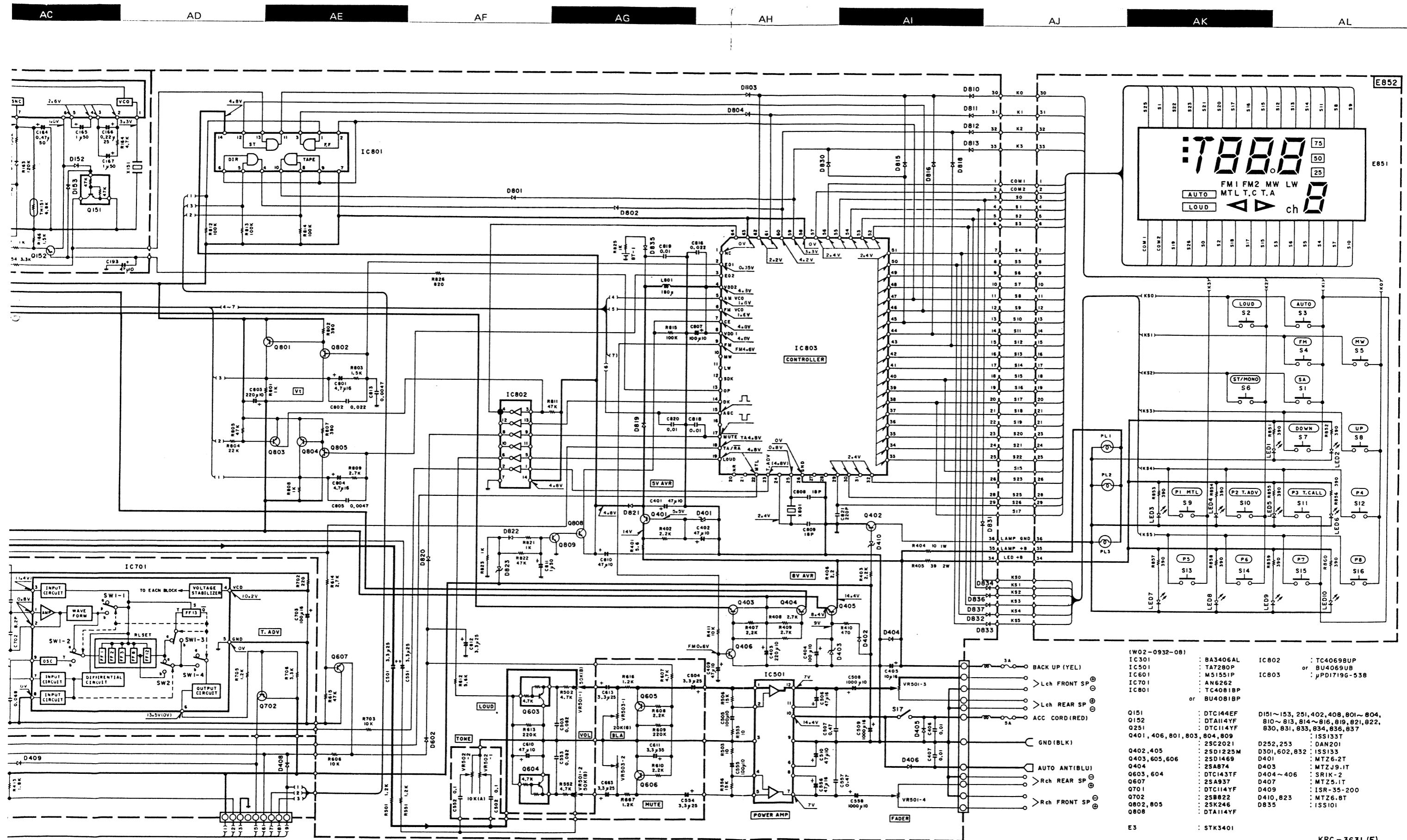
LA1140



06AL



2SK163



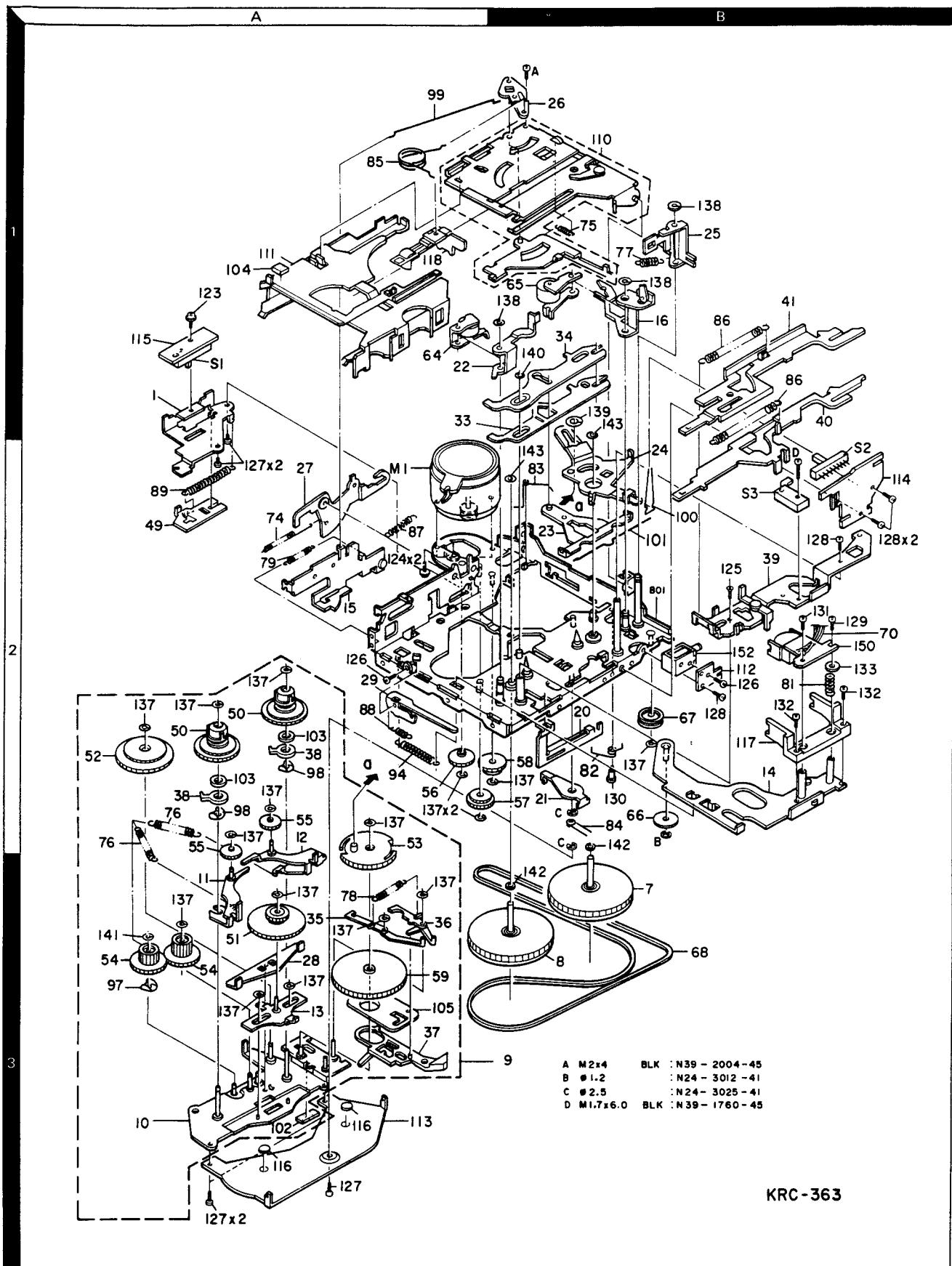
RC - 363L(E)

(W02-0932-08)			
IC301	: BA3406AL	IC802	: TC4069BUP
IC501	: TA7280P		or BU4069UB
IC601	: M5155IP	IC803	: μPD17196-538
IC701	: AN6262		
IC801	: TC4081BP		
	or BU4081BP		
Q151	: DTC144EF	D151~153, 251, 402, 408, 801~804,	
Q152	: DTA114YF	810~813, 814~816, 819, 821, 822,	
Q251	: DTC114YF	830, 831, 833, 834, 836, 837	
Q401, 406, 801, 803, 804, 809			: ISSI33T
Q402, 405	: 2SC2021	D252, 253	: DAN20I
Q403, 605, 606	: 2SD1225M	D301, 602, 832	: ISSI13
Q404	: 2SD1469	D401	: MTZ6.2T
Q603, 604	: 2SA874	D403	: MTZJ9.1T
Q607	: DTC143TF	D404~406	: SRK1-2
Q701	: 2SA937	D407	: MTZ5.1T
Q702	: 2SB822	D409	: ISR-35-200
Q802, 805	: 2SK246	D410, 823	: MTZ6.8T
Q808	: DTA114YF	D835	: ISSI10I
E3	: STK3401		

# KRC-363L

## KENWOOD

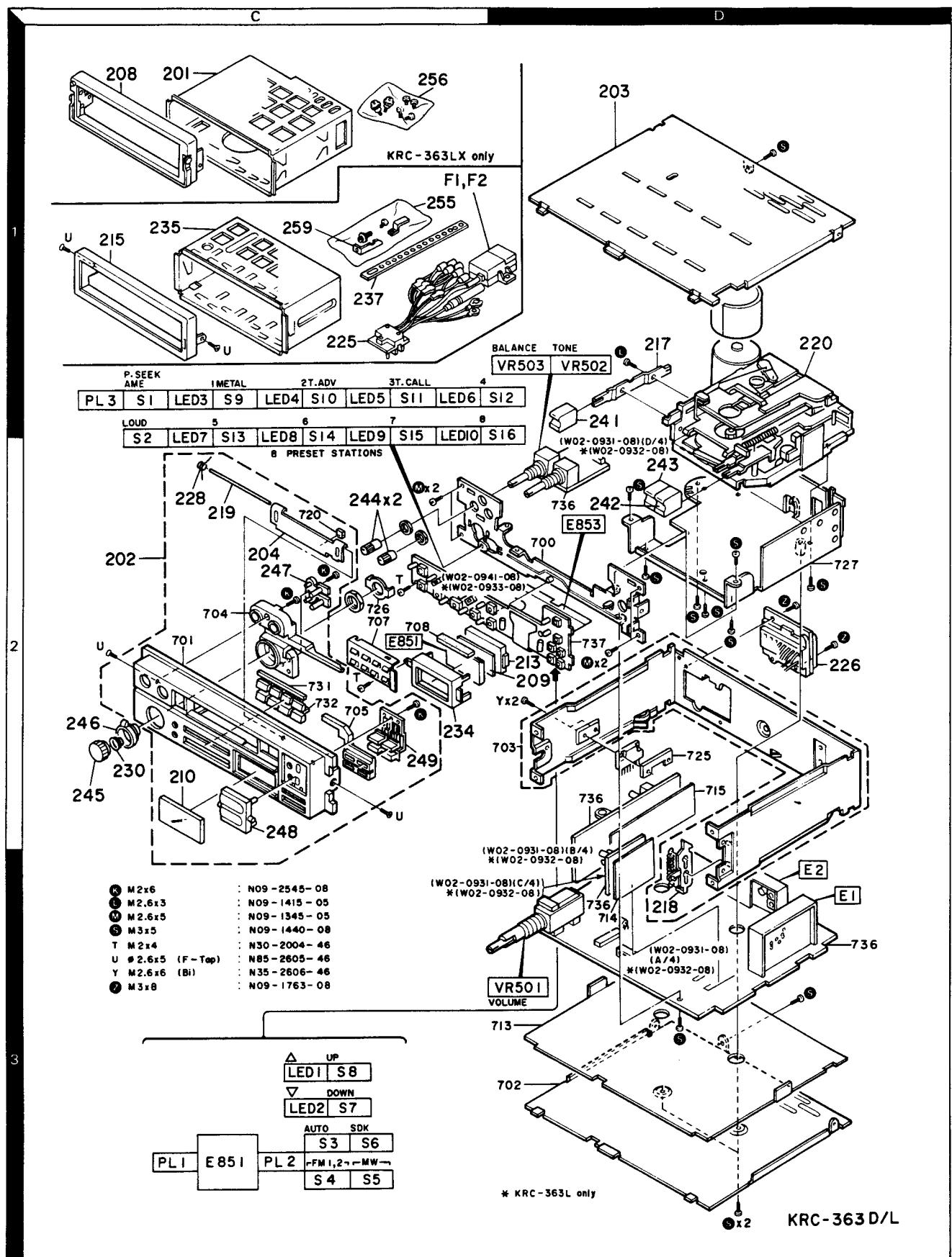
## **EXPLODED VIEW (MECHANISM)**



**Parts with the exploded numbers larger than 800 are not supplied.**

**KRC-363D/L**

## **EXPLODED VIEW (UNIT)**



42

**Parts with the exploded numbers larger than 700 are not supplied.**

## PARTS LIST

\* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
<b>KRC-363D/L</b>						
201	1C		A01-1563-11	CASE		
202	2C	*	A20-5578-08	PANEL ASSY	LX	D
202	2C	*	A20-5579-08	PANEL ASSY		L
203	1D		A52-0121-08	FRONT AND TOP PLATE		
204	2C		A53-1034-08	CASSETTE HOLDER		
208	1C		B07-1751-33	ESCUTCHEON		
209	2D		B11-0187-08	COLLAR FILTER	LX	
210	2C	*	B12-0097-08	INDICATOR (LCD)		D
210	2C	*	B12-0098-08	INDICATOR (LCD)		L
213	2D		B19-0562-08	LIGHTING BOARD (LCD)		
215	1C		B01-0400-08	ESCUTCHEON		
-			B46-0100-10	WARRANTY CARD	ET	
-		*	B50-8944-00	INSTRUCTION MANUAL		
-		*	B58-0803-13	CAUTION CARD		D
217	1D		D10-2156-08	LEVER (EJECT)		
218	3D	*	D21-2157-08	LEVER		
219	2C		D21-1451-08	EXTENSION SHAFT(CASSETTE LID)		
220	1D	*	D40-0819-08	CASSETTE MECHANISM ASSY		
225	1C	*	E30-2403-05	OUTPUT CORD ASSY (26P)		
226	2D	*	E30-2448-05	CONNECTOR ASSY (26P)		
F1	1C		F06-5024-05	FUSE (5A) ACC		
F2	1C		F06-3026-05	FUSE (3A) BACKUP		
228	2C		G01-2234-08	TORSION COIL SPRING(CASET LID)		
230	2C		G09-0606-08	SPRING (POWER KNOB)		
-		*	H01-7877-08	ITEM CARTON BOX	D	
-		*	H01-7878-08	ITEM CARTON BOX		
-		*	H10-3668-08	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-3669-08	POLYSTYRENE FOAMED FIXTURE(R)		
-		*	H13-0018-08	PAD		
-			H25-0112-04	PROTECTION BAG (INST. MANU)		
-			H25-0173-04	PROTECTION BAG (SET)		
234	2C		J19-2996-08	LCD HOLDER		
235	1C		J21-5256-08	MOUNTING HARDWARE		
237	1C		J54-0059-04	STAY		
241	1D		K27-1906-08	KNOB(BUTTON) EJECT		
242	2D		K27-1907-08	KNOB(BUTTON) FF		
243	2D		K27-1908-08	KNOB(BUTTON) REW		
244	2C		K29-3227-08	KNOB (BASS, TREBLE)		
245	2C		K29-3228-08	KNOB (VOLUME)		
246	2C		K29-3229-08	KNOB (FADER)		
247	2C		K29-3230-08	KNOB (LOUD, AME)		
248	2C		K29-3233-08	KNOB ASSY (UP/DOWN)		
249	2C		K29-3234-08	KNOB ASSY (FM, AM)		
255	1C		N99-0273-08	SCREW SET		
256	1C	*	N99-0277-05	SCREW SET		
K	2C		N09-2545-08	SCREW (M2X6)		
L	1D		N09-1415-05	SCREW (M2.6X3)		
M	2C, 2D		N09-1345-05	SCREW (M2.6X5)		
S	1D, 3D		N09-1440-08	SCREW (M3X5)		
Z	2D		N09-1763-08	SCREW (M3X8)		

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259 BT1 BT1	1C	*	W01-0179-08 W09-0046-05 W09-0088-05	HANDLE LITHUM BATTERY LITHUM BATTERY		
<b>MAIN UNIT (W02-0931-08) : D , (W02-0932-08) : L</b>						
E851 LED1,2 LED3-10 PL1 -3	2C 3C 1C 1C,3C	*	B38-0111-08 B30-1227-08 B30-1228-08 B30-1226-08	DISPLAY ASSY LED (UP/DOWN) LED LAMP (65MA)		
C152 C153 C154 C155 C156			C90-0498-05 C90-0497-05 CEO4DW1A471M C91-0664-05 C90-0498-05	ELECTRO ELECTRO ELECTRO CERAMIC ELECTRO	3.3UF 22UF 470UF 0.0033UF 3.3UF	25WV 10WV 10WV K 25WV
C157 C158 C159 C160,161 C164			C91-0687-05 CF92V1H222J CF92V1H103J CF92V1H183J C90-0484-05	CERAMIC MF MF MF ELECTRO	0.033UF 220PF 0.010UF 0.018UF 0.47UF	K J J J 50WV
C165 C166 C167 C170 C172			C90-0824-05 C90-0506-05 C90-0824-05 C91-0929-08 CK45B1H681K	ELECTRO ELECTRO ELECTRO CERAMIC CERAMIC	1UF 0.22UF 1UF 0.022UF 680PF	50WV 50WV 50WV M K
C191 C192 C193 C194 C195			CEO4KW1H0R1M CEO4CW1HR47M C90-0480-05 C91-0929-08 CK45B1H221K	ELECTRO ELECTRO ELECTRO CERAMIC CERAMIC	0.1UF 0.47UF 47UF 0.022UF 220PF	50WV 50WV 10WV M K
C196 C251 C252 C253 C254			CK45B1H101K CEO4KW1HR22M C91-0674-05 CEO4KW1H0R1M C91-0769-05	CERAMIC ELECTRO CERAMIC ELECTRO CERAMIC	100PF 0.22UF 0.0082UF 0.1UF 0.01UF	K 50WV K 50WV M
C255 C301 C302 C303 C304			CEO4CW1A470M C91-0757-05 CEO4CW1E3R3M C90-1501-08 CF92V1H123J	ELECTRO CERAMIC ELECTRO ELECTRO MF	47UF 0.001UF 3.3UF 100UF 0.012UF	10WV K 25WV 10WV J
C305 C306 C307 C308 C310			CEO4CW1E4R7M C90-1372-05 CF92V1H223J CEO4DW1A221M CEO4DW1C331M	ELECTRO ELECTRO MF ELECTRO ELECTRO	4.7UF 4.7UF 0.022UF 220UF 330UF	25WV 25WV J 10WV 16WV
C351 C352 C353 C354 C355			C91-0757-05 CEO4CW1E3R3M C90-1501-08 CF92V1H123J CEO4CW1E4R7M	CERAMIC ELECTRO ELECTRO MF ELECTRO	0.001UF 3.3UF 100UF 0.012UF 4.7UF	K 25WV 10WV J 25WV
C356 C357 C401,402 C403 C404			CEO4DW1A101M CF92V1H223J C90-0480-05 CEO4DW1A221M C90-1501-08	ELECTRO MF ELECTRO ELECTRO ELECTRO	100UF 0.022UF 47UF 220UF 100UF	10WV J 10WV 10WV 10WV
C405			C90-0478-05	ELECTRO	10UF	16WV

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C406, 407			CK45F1H103Z	CERAMIC	0.01UF	Z		
C408			C91-0769-05	CERAMIC	0.01UF	M		
C409			CEO4CW1A470M	ELECTRO	47UF	10WV		
C501			C90-1371-05	ELECTRO	3.3UF	25WV		
C502			C91-0700-05	CERAMIC	0.1UF	J		
C503			C91-0698-05	CERAMIC	0.082UF	K		
C504			C90-0498-05	ELECTRO	3.3UF	25WV		
C505			CEO4KW1A101M	ELECTRO	100UF	10WV		
C506			CEO4DW1C470M	ELECTRO	47UF	16WV		
C507			CF92V1H474J	MF	0.47UF	J		
C508			CEO4DW1A102M	ELECTRO	1000UF	10WV		
C509			CEO4DW1C102M	ELECTRO	1000UF	16WV		
C510			CEO4CW1A470M	ELECTRO	47UF	10WV		
C510			CEO4KW1A101M	ELECTRO	100UF	10WV		
C551			C90-1371-05	ELECTRO	3.3UF	25WV		
C552			C91-0700-05	CERAMIC	0.1UF	J		
C553			C91-0698-05	CERAMIC	0.082UF	K		
C554			C90-0498-05	ELECTRO	3.3UF	25WV		
C555			CEO4KW1A101M	ELECTRO	100UF	10WV		
C556			CEO4KW1C470M	ELECTRO	47UF	16WV		
C557			CF92FV1H474J	MF	0.47UF	J		
C558			CEO4DW1A102M	ELECTRO	1000UF	10WV		
C603			C90-1371-05	ELECTRO	3.3UF	25WV		
C604			CEO4CW1E3R3M	ELECTRO	3.3UF	25WV		
C606			CEO4CW1E3R3M	ELECTRO	3.3UF	25WV		
C607			C90-1371-05	ELECTRO	3.3UF	25WV		
C608			C90-0478-05	ELECTRO	10UF	16WV		
C609			C90-1369-05	ELECTRO	10UF	16WV		
C610			C90-0480-05	ELECTRO	47UF	10WV		
C611			CEO4KW1E3R3M	ELECTRO	3.3UF	25WV		
C613			CEO4KW1E3R3M	ELECTRO	3.3UF	25WV		
C663			CEO4KW1E3R3M	ELECTRO	3.3UF	25WV		
C701	*		C91-0769-05	CERAMIC	0.01UF	M		
C702	*		C91-1234-05	CERAMIC	8.2K	K		
C703	*		C90-1501-08	ELECTRO	100UF	10WV		
C704	*		CF92V1H683J	MF	0.068UF	J		
C714	*		C91-0766-05	CERAMIC	0.0056UF	M		
C801			CS15E1C4R7K	TANTAL	4.7UF	16WV		
C802			C91-0684-05	CERAMIC	0.022UF	K		
C803			CEO4KW1A221M	ELECTRO	220UF	10WV		
C804			CS15E1C4R7K	TANTAL	4.7UF	16WV		
C805			C91-0765-05	CERAMIC	0.0047UF	M		
C807			C90-1263-05	ELECTRO	100UF	16WV		
C808, 809			C91-1241-05	CERAMIC	18PF	J		
C810			CEO4CW1A470M	ELECTRO	47UF	10WV		
C811			C90-1377-05	ELECTRO	1.0UF	50WV		
C812			CEO4CW1E3R3M	ELECTRO	3.3UF	25WV		
C813			C91-0765-05	CERAMIC	0.0047UF	M		
C816			C91-0684-05	CERAMIC	0.022UF	K		
C818-820			C91-0769-05	CERAMIC	0.01UF	M		
C821	*		CK45B1H221K	CERAMIC	220PF	K		
C901			CF92V1H54J	MF	0.15UF	J		
C902, 903			CF92V1H683J	MF	0.068UF	J		
C904			CEO4CW1E4R7M	ELECTRO	4.7UF	25WV		
C905	*		CB93M1H332J	MYLAR	3300PF	J		

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C906			CF92V1H683J	MF	0.068UF	J		D	
C907, 908			CF92V1H473J	MF	0.047UF	J		D	
C909			C90-1501-08	ELECTRO	100UF	10WV		D	
C910			C90-0478-05	ELECTRO	10UF	16WV		D	
C911			CF92V1H104J	MF	0.10UF	J		D	
C912, 913			CF92V1H683J	MF	0.068UF	J		D	
C914			C91-0739-05	CERAMIC	56PF	J		D	
C915			C90-0824-05	ELECTRO	1UF	50WV		D	
C920			CEO4CW1E470M	ELECTRO	47UF	25WV		D	
C951			CEO4CW1A220M	ELECTRO	22UF	10WV		D	
E853	2D	*	J25-5946-08	FLEXIBLE PRINTED WIRING BOARD					
L801		*	L40-1811-14	SMALL FIXED INDUCTOR(180UH)					
L901			L39-0153-08	SK COIL				D	
X151		*	L78-0240-08	CERAMIC RESONATOR					
X801			L77-0573-05	CRYSTAL RESONATOR(4.5MHZ)					
R404			RK73FB2A391J	CHIP R	390	J 1/10W			
R405			R92-0670-05	CHIP R	0 OHM				
			R92-0679-05	CHIP R	0 OHM				
			RS14DB3A100J	FL-PROOF RS	10	J 1W			
			RS14DB3D390J	FL-PROOF RS	39	J 2W			
R851-860			RK73FB2A391J	CHIP R	390	J 1/10W			
VR152			R12-1098-08	TRIMMING POT. (1K) SEP					
VR251			R12-3450-05	TRIMMING POT. (20K) AM STOP					
VR501	3D	*	R29-9018-08	POTENTIOMETER(MAIN VOL)					
VR502	1D	*	R10-3033-08	POTENTIOMETER(TONE)					
VR503	1D	*	R10-3034-08	POTENTIOMETER(BALANCE)					
VR901		*	R12-5074-08	TRIMMING POT. (200) SK				D	
VR951			R12-3443-05	TRIMMING POT. (10K) DK MIN				D	
S1 -8	1C, 3C		S40-1123-08	TACT SWITCH	(TUNE, AUTO, FM)				
S9 -11	1C	*	S40-1128-08	TACT SWITCH	(MTL, T.A, T.C)				
S12 -16	1C, 1D		S40-1123-08	TACT SWITCH	(4-8)				
D151, 152			ISS133T	DIODE				L	
D153			ISS133T	DIODE					
D251			ISS133T	DIODE					
D252, 253			DAN201	DIODE					
D301			ISS133	DIODE					
D401			MTZ6. 2T	ZENER DIODE					
D402		*	ISS-133T	DIODE					
D403		*	MTZJ9. 1T	ZENER DIODE					
D404-406			SR1K-2	DIODE					
D407			MTZ5. 1T	ZENER DIODE					
D408			ISS133T	DIODE					
D409		*	1SR-35-200	DIODE					
D410			MTZ6. 8T	ZENER DIODE					
D602			ISS133	DIODE					
D801-804			ISS133T	DIODE					
D805-809			ISS133T	DIODE				D	
D810-813			ISS133T	DIODE				D	
D814			ISS133T	DIODE				D	
D815, 816			ISS133T	DIODE				D	
D817			ISS133T	DIODE				D	
D818-822			ISS133T	DIODE					
D823			MTZ6. 8T	ZENER DIODE					

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D830,831			1SS133T	DIODE		
D832			1SS133	DIODE		
D833,834			1SS133T	DIODE		
D835		*	1SS101	DIODE		
D836,837		*	1SS-133T	DIODE		
E3			STK3401	IC(FM MPX)		
IC301			BA3406AL	IC(PREAMP FOR TAPE EQ X2)		
IC501			TA7280P	IC(POWER AMPX2)		
IC601			M51551P	IC(DUAL 2-MODE SWITCH)		
IC701			AN6262	IC(DPSS BLANK DETECT)		
IC801		*	BU4081BP	IC(AND 4)		
IC801			TC4081BP	IC(AND X4)		
IC802			BU4069UB	IC(INVERTER X6)		
IC802		*	TC4069UBP	IC(INVERTER X6)		
IC803		*	UPD1719G-538	IC(FREQ SYNTHESIZER PLL,CONT)		
IC901			TDA1579	IC(DECODER)		
IC902		*	AN6556	IC(OP AMP X2)	D	D
IC902			BA4558	IC(OP AMPX2)	D	D
Q151			DTC144EF	DIGITAL TRANSISTOR	L	
Q152			DTA114YF	DIGITAL TRANSISTOR	L	
Q251			DTC114YF	DIGITAL TRANSISTOR	L	
Q252			2SC2021(R,S)	TRANSISTOR	L	
Q401			2SC2021(R,S)	TRANSISTOR	L	
Q402		*	2SD1225M(Q,R)	TRANSISTOR	L	
Q403		*	2SD1469(S,R)	TRANSISTOR	L	
Q404			2SA874(R)	TRANSISTOR		
Q405			2SD1225M(Q,R)	TRANSISTOR		
Q406			2SC2021(R,S)	TRANSISTOR		
Q603,604		*	DTC143TF	DIGITAL TRANSISTOR		
Q605,606		*	2SD1469(S,R)	TRANSISTOR		
Q607			2SA937(Q,R)	TRANSISTOR		
Q701			DTC114YF	DIGITAL TRANSISTOR		
Q702			2SB822(Q,R)	TRANSISTOR		
Q801		*	2SC2021(R,S)	TRANSISTOR		
Q802		*	2SK246Y	FET		
Q803,804			2SC2021(R,S)	TRANSISTOR	D	
Q805		*	2SK246(Y)	FET	D	
Q806,807		*	2SA937(Q,R)	TRANSISTOR	D	
Q808			DTA114YF	DIGITAL TRANSISTOR	D	
Q809			2SC2021(R,S)	TRANSISTOR	D	
Q901			DTC114YF	DIGITAL TRANSISTOR	D	
Q951		*	2SD1469(S,R)	TRANSISTOR	D	
TH151		*	TD5C268D	THERMISTER	D	
E1	3D	*	W02-0928-08	FM TUNER ASSY	ET	D
E1	3D	*	W02-0928-08	FM TUNER ASSY	M	L
E1	3D	*	W02-0959-08	FM TUNER ASSY	M	L
E2	3D	*	W02-0929-08	AM TUNER ASSY		D
E2	3D	*	W02-0930-08	AM TUNER ASSY		L

## FM TUNER UNIT (W02-0928-08) : D, L (ET), (W02-0959-08) : L (M)

D201-203		SVC211	DIODE			
D204		1SV172	DIODE			
D301,302		DCB010	DIODE			
IC201		LA1175	IC(FM IF)			
IC301		LA1140	IC(FM IF/DETECTION)			

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Ref. No. 參照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕 向	Re- marks 備考
Q201			3SK181	FET		
Q301			2SC2814	TRANSISTOR		
Q302, 303		*	2SJ106Y	FET		
Q304, 305			2SC2812	TRANSISTOR		
<b>AM TUNER UNIT (W02-0929-08) : D</b>						
CV1 -3			HVP100	VARCAP		
CV1 -3			SVC321	VARCAP		
FET1			2SK163	FET		
FET2			2SK184	FET		
IC1			LA1135	IC(AM)		
TR2 ,3			2SC2814	TRANSISTOR		
<b>MW/LW TUNER UNIT (W02-0930-08) : L</b>						
CV1 -3			HVP100	VARCAP		
CV1 -3		*	SVC321	VARCAP		
D1 -4			US1040	DIODE		
FET1			2SK163	FET		
FET2			2SK184	FET		
IC1			LA1135	IC(AM)		
TR2 -5			2SC2814	TRANSISTOR		
<b>CASSETTE MECHANISM ASS'Y (D40-0819-08)</b>						
1	1A	*	D40-0814-08	SUB CHASSIS		
7	3B	*	D01-0099-08	FLYWHEEL ASSY (F)		
8	3B	*	D01-0100-08	FLYWHEEL ASSY (R)		
9	3B	*	D03-0267-08	REEL DISK ASSY		
10	3A	*	D03-0268-08	REEL DISK		
11	3A	*	D10-2117-08	SLIDER ASSY (A)		
12	2A	*	D10-2118-08	SLIDER ASSY (B)		
13	3A	*	D10-2119-08	LEVER ASSY (FR)		
14	2B	*	D10-2120-08	LEVER ASSY (HEAD PLATE)		
15	2A	*	D10-2121-08	LEVER ASSY (EJECT)		
16	1B	*	D10-2122-08	LEVER ASSY (INV)		
20	2B	*	D10-2123-08	LEVER (FR CAM)		
21	2B	*	D10-2124-08	LEVER (FR CAM)		
22	1A	*	D10-2125-08	LEVER (FR CAM)		
23	2B	*	D10-2126-08	ARM		
24	2B	*	D10-2127-08	ARM		
25	1B	*	D10-2128-08	ARM (FR RELEASE)		
26	1B	*	D10-2130-08	LEVER (INV)		
27	2A	*	D10-2131-08	ARM (ACTION)		
28	3A	*	D10-2132-08	LEVER (SENSOR)		
29	2A	*	D10-2133-08	LEVER (LOCK PLATE)		
33	1A	*	D10-2134-08	LEVER		
34	1B	*	D10-2135-08	LEVER		
35	3A	*	D10-2136-08	ARM		
36	3A	*	D10-2137-08	ARM		
37	3A	*	D10-2138-08	LEVER (SENSOR)		
38	2A	*	D10-2139-08	LEVER		
39	2B	*	D10-2140-08	LEVER ASSY (SINE PLATE)		
40	1B	*	D10-2141-08	LEVER (FR)		
41	1B	*	D10-2142-08	LEVER (FR)		
49	2A	*	D10-2129-08	LEVER		
50	2A	*	D13-0685-08	GEAR ASSY (REEL DISK)		
51	3A	*	D13-0686-08	GEAR ASSY (FR GEAR)		

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KRC-363LX (France made)

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52	2A	*	D13-0687-08	GEAR ASSY (TAKE UP)		
53	2A	*	D13-0688-08	GEAR ASSY (SWITCHING)		
54	3A	*	D13-0689-08	GEAR (TAKE UP)		
55	2A	*	D13-0690-08	GEAR (TAKE UP)		
56	2A	*	D13-0691-08	GEAR (IDLE)		
57	2A	*	D13-0692-08	GEAR (IDLE)		
58	2B	*	D13-0693-08	GEAR (IDLE)		
59	3A	*	D13-0694-08	GEAR (SWITCHING)		
64	1A	*	D14-0272-08	PINCH ROLLER (R)		
65	1B	*	D14-0273-08	PINCH ROLLER (F)		
66	2B	*	D14-0274-08	ROLLER (HEAD PLATE)		
67	2B	*	D15-0275-08	PULLEY (IDLE)		
68	3B	*	D16-0183-08	BELT		
70	2B	*	E31-4738-08	WIRE (HEAD)		
74	2A	*	G01-2217-08	TENSION SPRING		
75	1B	*	G01-2212-08	TENSION SPRING		
76	2A	*	G01-2213-08	TENSION SPRING		
77	1B	*	G01-2214-08	TENSION SPRING		
78	3A	*	G01-2215-08	TENSION SPRING		
79	2A	*	G01-2216-08	TENSION SPRING		
81	2B	*	G01-2221-08	COMPRESSION SPRING		
82	2B	*	G01-2222-08	TORSION SPRING		
83	2B	*	G01-2223-08	TORSION SPRING		
84	2B	*	G01-2224-08	TORSION SPRING		
85	1A	*	G01-2225-08	TORSION SPRING		
86	1B	*	G01-2226-08	TENSION SPRING		
87	2A	*	G01-2227-08	TENSION SPRING		
88	2A	*	G01-2218-08	TENSION SPRING		
89	2A	*	G01-2219-08	TENSION SPRING		
94	3B	*	G01-2220-08	TENSION SPRING		
97	3A	*	G02-0472-08	FLAT SPRING		
98	2A	*	G02-0473-08	FLAT SPRING		
99	1A	*	G09-0093-08	SPRING		
100	2B	*	G09-0094-08	SPRING		
101	2B	*	G09-0095-08	SPRING (PR)		
102	3A	*	G10-0129-08	FELT		
103	2A	*	G10-0130-08	FELT (FRICTION)		
104	1A	*	G11-1308-08	CUSHION		
105	3A	*	G16-0187-08	SHEET		
110	1B	*	J19-2989-18	HOLDER (ACTION PLATE)		
111	1A	*	J19-2990-08	HOLDER (CASSETTE CASE)		
112	2B	*	J19-2991-08	BRACKET		
113	3A	*	J21-5252-08	MOUNTING HARDWARE (FLYWHEEL)		
114	2B	*	J25-5896-08	PRINTED WIRING BOARD (FPC)		
114	2B	*	J25-6035-08	PRINTED WIRING BOARD (WIRE)		
115	1A	*	J25-5895-08	PRINTED WIRING BOARD		
116	3A	*	J30-0246-08	SPACER		
117	2B	*	J90-0609-08	TAPE GUIDE		
118	1A	*	J90-0610-08	CASSETTE GUIDE		
123	1A	*	N69-2519-08	SCREW		
124	2A	*	N09-1999-08	SCREW (M2.6X3) MOTOR		
125	2B	*	N09-2000-08	SCREW (M2.6X4.5)		
126	2B	*	N09-2501-08	SCREW (M2X2)		
127	1A, 3A	*	N09-2502-08	SCREW (M2X3)		

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128	1A, 2B	*	N09-2503-08	SCREW	(M2X3)	
129	2B	*	N09-2505-08	SCREW		
130	2B	*	N09-2506-08	SCREW		
131	2B	*	N09-2507-08	SCREW		
132	2B	*	N09-2508-08	RSCREW	(M2X5)	
133	2B	*	N19-1133-08	FLAT WASHER	(Ø2.1)	
137	2A, 3A	*	N19-1134-08	FLAT WASHER	(Ø1.25)	
138	1B	*	N19-1135-08	FLAT WASHER	(Ø2.1)	
139	1B	*	N19-1136-08	FLAT WASHER	(Ø3.1)	
140	1B	*	N19-1137-08	FLAT WASHER	(Ø1.7)	
141	3A	*	N19-1138-08	FLAT WASHER		
142	2B, 3B	*	N19-1144-08	FLAT WASHER	(Ø2.1)	
143	1B, 2B	*	N19-1145-08	FLAT WASHER	(Ø1.9)	
S1 ,2	1A, 2B	*	N31-3007-08	SLIDE SWITCH		
S3	2B	*	S46-1112-08	LEAF SEITCH		
150	2B	*	T31-0048-08	PLAYBACK HEAD (FLEXIBLE)		
150	2B	*	T31-0053-08	PLAYBACK HEAD (WIRE)		
152	2B	*	T94-0207-08	SOLENOID COIL		
M1	2A	*	T42-D472-08	MOTOR ASSY		

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# KRC-363D/L

## SPECIFICATIONS

### FM Tuner Section

Frequency Range .....	87.5 ~ 108.0 MHz
Usable Sensitivity (DIN).....	1.6 $\mu$ V/75 ohms
Stereo Sensitivity (S/N = 46 dB) .....	2.8 $\mu$ V/75 ohms
Frequency Response ( $\pm 4.5$ dB) .....	30 ~ 15,000 Hz
Signal to Noise Ratio (IEC-A) .....	68 dB
Selectivity (DIN).....	65 dB
Stereo Separation (1 kHz) .....	40 dB
19 kHz Carrier Leakage .....	50 dB

### MW Tuner Section

MW Frequency Range .....	531 ~ 1,611 kHz
MW Usable Sensitivity .....	30 $\mu$ V

### LW Tuner Section (KRC-363L only)

LW Frequency Range .....	153 ~ 281 kHz
LW Usable Sensitivity .....	60 $\mu$ V

### Cassette Deck Section

Tape Speed .....	4.76 cm/s
Wow and Flutter (WRMS) .....	0.12% (WRMS)
(DIN) .....	0.2% (W-PEAK)
Fast Winding Time (C-60) .....	110 sec
Frequency Response (120 $\mu$ s) .....	40 Hz ~ 14 kHz (+ 4 dB, -6 dB)
(70 $\mu$ s) .....	40 Hz ~ 16 kHz (+ 4 dB, -6 dB)
Stereo Separation (1 kHz) .....	37 dB
Signal to Noise Ratio (IEC-A) .....	52 dB

### Audio Section

Maximum Output Power (1 kHz, 4 ohms) .....	8 W $\times$ 2 or 6.5 W $\times$ 4
Rated Output Power (10% THD, 1 kHz, 4 ohms) .....	6 W $\times$ 2
(1% THD, 1 kHz, 4 ohms) .....	5 W $\times$ 2

### General

Operating Voltage (GND) .....	14.4 V (11 ~ 16 V)
Current Consumption .....	2.7 A at Rated Power
Dimensions (W $\times$ H $\times$ D) .....	188 $\times$ 58 $\times$ 153 mm
Body Size (W $\times$ H $\times$ D) .....	180 $\times$ 50 $\times$ 135 mm
Weight .....	1.5 kg

### Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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## PACKING

